CDP-557ESD/707ESD

SERVICE MANUAL

US Model
Canadian Model
CDP-707ESD
AEP Model
UK Model
E Model
CDP-557ESD

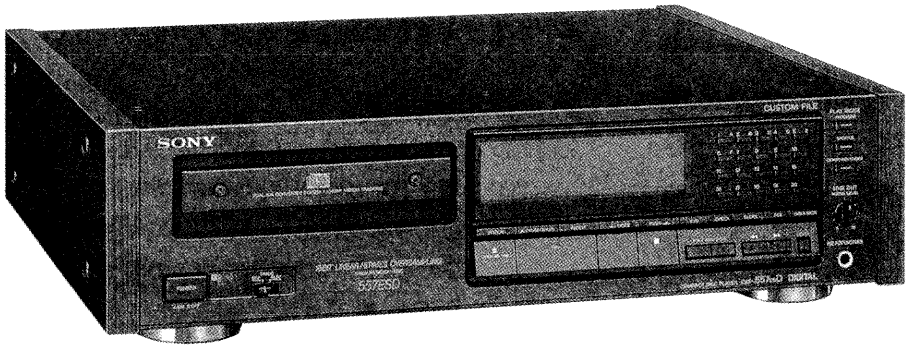


Photo: CDP-557ESD

SPECIFICATIONS

Compact disc player

System	Compact disc digital audio system
Laser	Semiconductor laser (λ = 780 nm)
Emission duration	Continuous
Laser output	less than 44.6 μW * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.
Frequency response	CDP-557ESD: 2 Hz – 20 kHz ±0.5 dB CDP-707ESD: 2 Hz – 20 kHz ±0.3 dB
Signal to noise ratio	More than 115 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0015%
Wow and flutter	Below measurable limit
Channel separation	More than 110 dB

Outputs

LINE OUT (FIXED) (phono jacks)	Output level 2 V (at 50 kilohms) Load impedance over 10 kilohms Output impedance 200 ohms
LINE OUT (VARIABLE) (phono jacks)	Output level max. 2 V (at 50 kilohms) Load impedance over 50 kilohms
	Output impedance 200 ohms – 5.1 kilohms
DIGITAL OUT (COAXIAL) (phono jacks)	Output level 0.5 Vp-p (at 75 ohms) Load impedance 75 ohms
DIGITAL OUT (OPTICAL) (optical output connector)	Wave length 660 nm Output level –18 dBm
HEADPHONES (stereo phone jack)	Output level max. 28 mW Load impedance 32 ohms

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

使用時は添付資料も参照のこと
Refer to the additional documents.

COMPACT DISC PLAYER

SONY®

General

Power requirements	AEP Model: 220 V AC (or 240 V AC adjustable by Sony personnel), 50/60 Hz Model for the United King 240 V AC (or 220 V AC adjustable by Sony personnel), 50 Hz US, Canadian Model: (CDP-707ESD) 120 V AC, 60 Hz
Power consumption	22 W
Dimensions (approx.)	CDP-557ESD (UK Model) 430 x 125 x 375 mm (w/h/d) (17 × 5 × 14⅝ inches) CDP-707ESD/ CDP-557ESD (AEP Model) 470 × 125 × 375 mm (w/h/d) (18⅝ × 5 × 14⅝ inches) including projecting parts and controls
Weight (approx.)	CDP-557ESD (UK Model) 17 kg (37 lbs 8 oz) CDP-707ESD/ CDP-557ESD (AEP Model) 18 kg (39 lbs 11 oz)

Supplied accessories

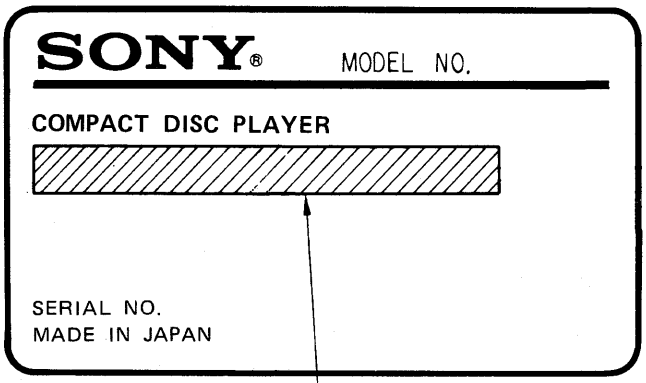
Audio signal connecting cord	1 (2 phono plugs—2 phono plugs)
Remote commander	1
Sony SUM-3 (NS) batteries	2
Screw driver	1

Remote commander

Remote control system	Infrared control
Power requirements	3V DC with two R6 (size AA) batteries
Dimensions	Approx. 62 × 20 × 168.5 mm (w/h/d) (2½ × 13/16 × 6¾ inches)
Weight	Approx. 130 g (5 oz) including batteries

MODEL IDENTIFICATION

— Specification Labels —



US, Canadian model: AC: 120 V ~ 60 Hz 22 W
AEP, E model: AC: 220 V ~ 50/60 Hz 22 W
UK model: AC: 240 V ~ 50/60 Hz 22 W

Features

Custom file function
- **Disc memo function** for writing a comment about a disc.
- **Program bank function** for storing a programmed playing order.
- **Custom index function** for assigning your own index point to any desired position on a disc.

Program play
You can play up to 20 selections in the desired order. Pause can be also programmed. You can also confirm the total playing time while choosing the selection to be programmed.

Variety of playing modes
Single play, program play, shuffle play and repeat play as well as normal continuous play of a whole disc.

Large and easy-to-read window display
Shows the elapsed playing time, the remaining time of the selection being played, the remaining time of the whole disc or the remaining programmed selection numbers. The display contains a music calendar indicating all the numbers of the selections on the disc (up to 20).

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

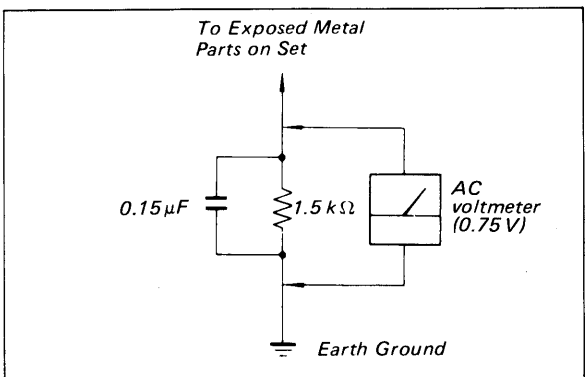


Fig. A. Using an AC voltmeter to check AC leakage.

SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

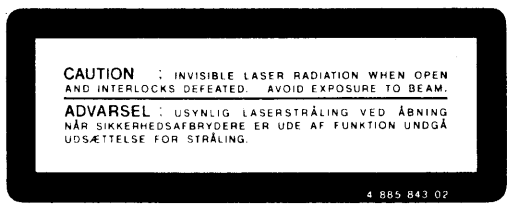
ADVARSEL!!

Under service må øjnene ikke komme nær objektiv-linsen på den optiske pick-up enhed. I tilfælde af at det er nødvendigt at kontrollere udsendelsen af laserlys, skal det ske i en afstand af mere end 25 cm fra den optiske pick-up.

LASER ADVARSEL MÆRKNING

Følgende mærkning findes indvendig i apparatet:

1. Advarsel Mærkning


CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSÆTTELSE FOR STRÅLING.
4 885 843 02

VAROITUS: Laite sisältää, laserdiodin, joka lähettää (näkymätöntä) silmille vaarallista lasersateilyä.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25 cm away from the objective lens.

LASER DIODE AND FOCUS SERCH OPERATION CHECK

1. Remove disc pully by lifting up chucking arm by hand. (Fig. A, B)
2. Make POWER switch on with no disc inserted and disc table closed.
3. Confirm that the operation indicated in Fig. C is performed while observing the objecting lens.

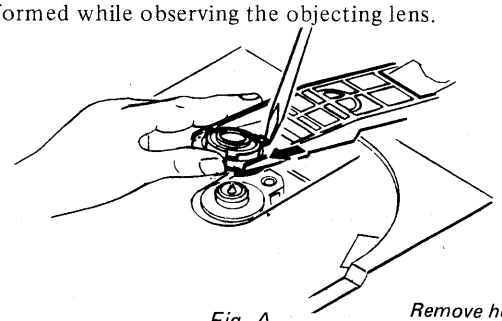


Fig. A

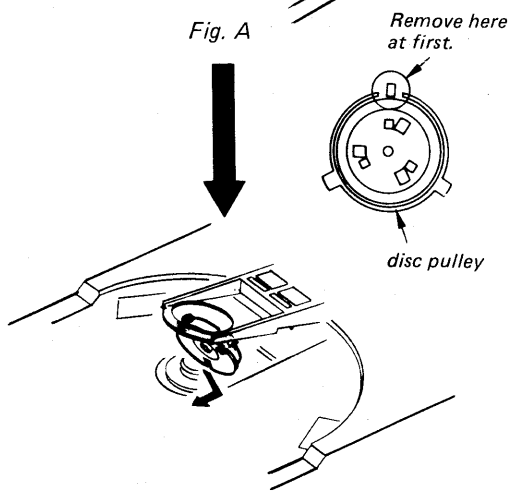


Fig. B

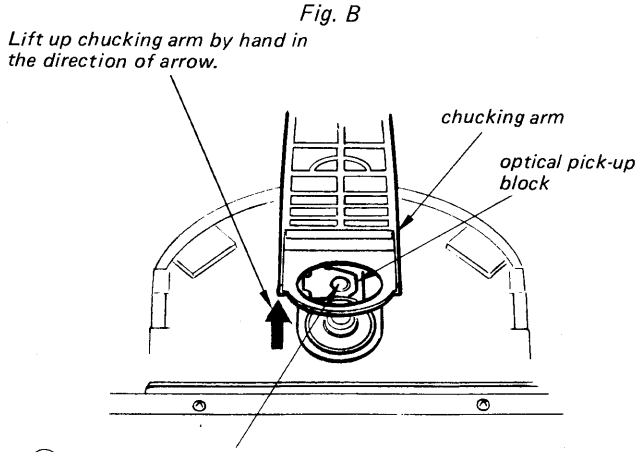
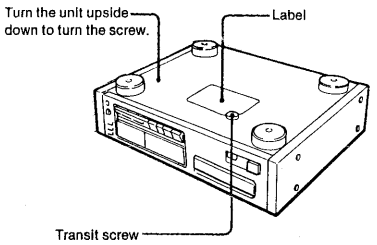

Lift up chucking arm by hand in the direction of arrow.
chucking arm
optical pick-up block
(1) Confirm that laser beam is spread.
(2) Up and down motion of the objective lens. (3 times)

Fig. C

Note on the Transit Screw



Before operating the CD player, be sure to turn the transit screw as described on the label on the bottom of the unit.

1 Remove the cap of the screw.

2 Turn the screw 180 degrees counterclockwise using the supplied screwdriver.

Do not turn the screw excessively, or the unit may be damaged.

When transporting the unit again, turn the transit screw in the reverse direction.

When You Use the CD Player for the First Time

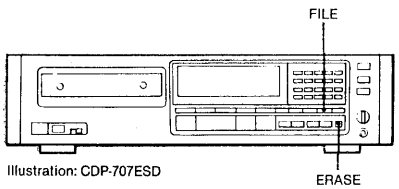


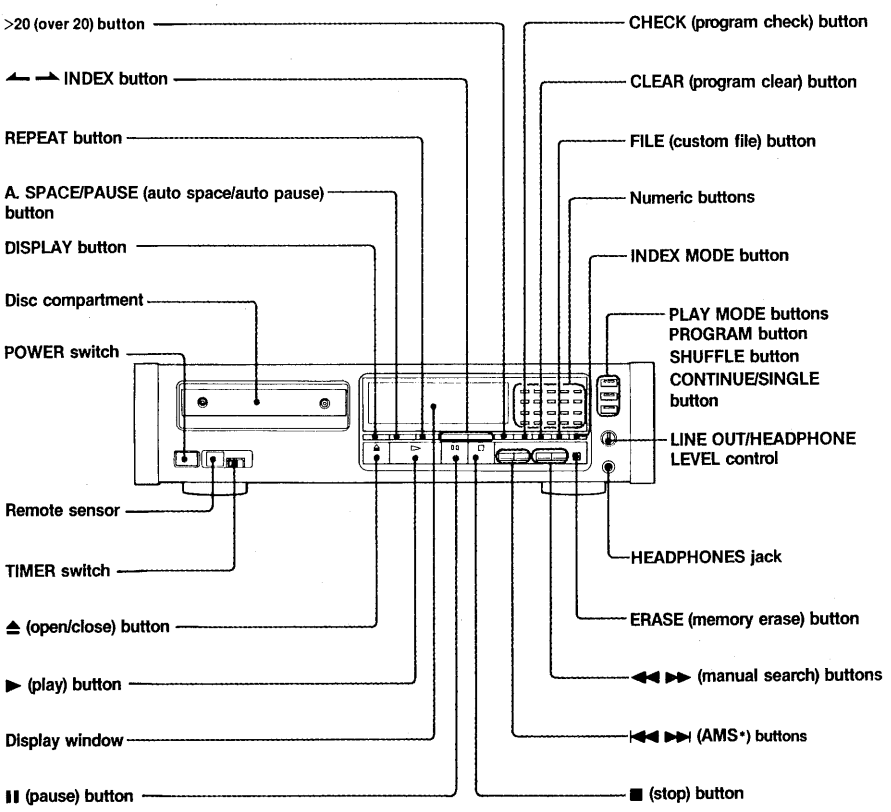
Illustration: CDP-707ESD

Turn on the power by pressing POWER while keeping ERASE and FILE pressed.

This will clear the internal memory if you have been instructed how to use the custom file function at the shop you purchased the CD player. Thus the player returns the same status as it was manufactured at factory.

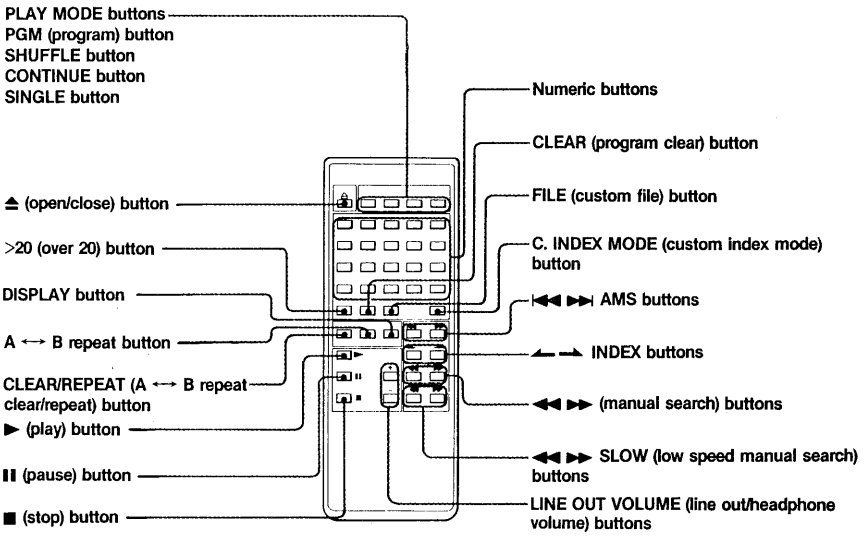
Location of Controls

Front Panel



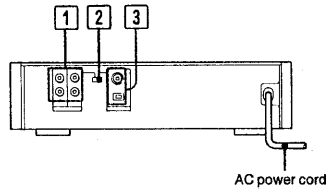
* AMS is an abbreviation of Automatic Music Sensor.

Remote Commander



SECTION 1
DISASSEMBLY

Description on Rear Panel



1 LINE OUT (audio output) jacks
FIXED: Output the signal at the fixed level.
VARIABLE: Output the signal at the level set by the LINE OUT/HEADPHONE LEVEL control (or LINE OUT VOLUME buttons on the remote commander).

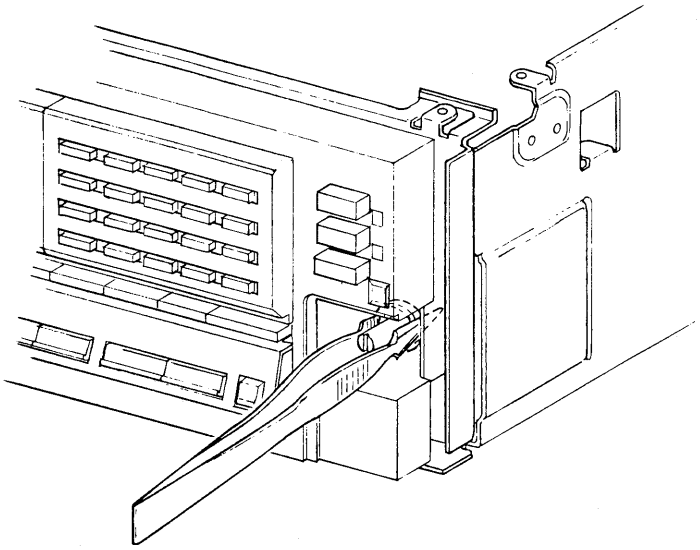
2 OUTPUT SELECTOR
Selects the output connectors to be used.
DIGITAL OUT: Digital signal is output through the DIGITAL OUT jacks. No signal is output through the LINE OUT jacks or the HEADPHONES jack.
LINE OUT: Audio signal is output through the LINE OUT jacks or the HEADPHONES jack. No signal is output through the DIGITAL OUT jacks. (Be sure to set to this position when you listen to the music through the headphones or the LINE OUT jacks.)

3 DIGITAL OUT (digital audio output) jacks
Output the digital audio signals.
COAXIAL: To be connected to a digital input jack of the amplifier or the D/A converter unit.
OPTICAL: To be connected to the amplifier having an optical input jack.

Note: If the LINE OUT/HEADPHONE LEVEL control is turned while recording through the VARIABLE LINE OUT jacks, the level of the recorded sound will be different from that set by the recording level controls of the tape deck.

NUT OF VOLUME REMOVAL

After loosen the nut by plier, rotating nut with tweezers makes easy to remove it.



SECTION 2
ELECTRICAL ADJUSTMENTS

2-1. ELECTRICAL ADJUSTMENTS

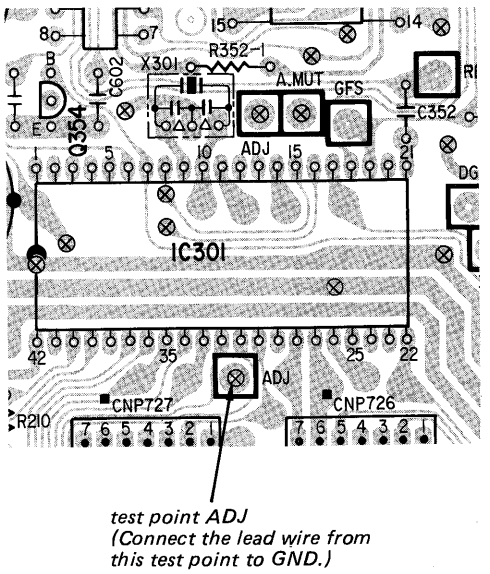
1. Perform adjustments in the order given.
2. Use YEDS-18 disc unless otherwise indicated.
3. Use the oscilloscope with more than 10 MΩ impedance.

Adjustment Mode

1. Connect digital board test point ADJ and GND.
   (This is to prevent the disc table from opening even though pits are not read, by making microcomputer IC301 pin (38) low.)
2. Turn POWER switch on.
   (To reset microcomputer.)

   After adjustment, remove the lead wire connecting test points ADJ and GND.

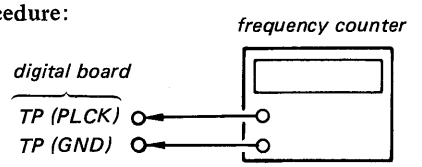
Adjustment Location: digital board



test point ADJ
(Connect the lead wire from this test point to GND.)

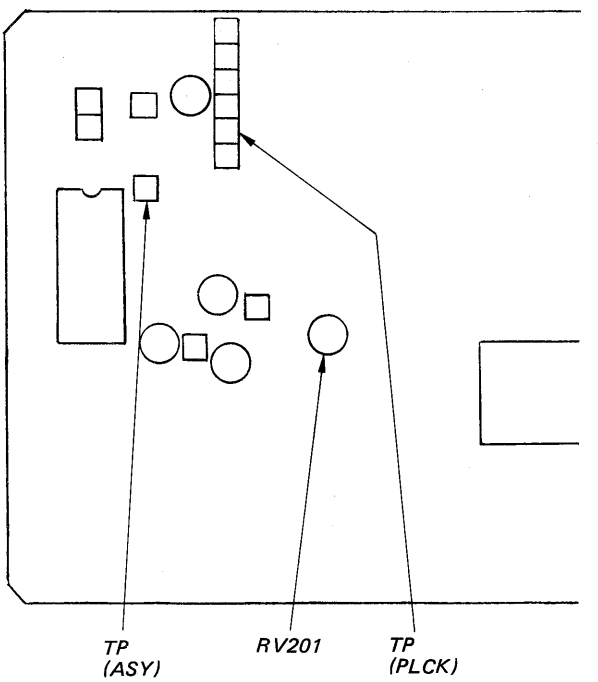
RF PLL Adjustment

Procedure:



1. Connect main board test point ASY and GND.
2. Connect the frequency counter to main board test points TP PLCK and TP GND.
3. Turn POWER switch ON (stop mode).
4. Adjust digital board RV201 so that reading on frequency counter is 4.3218 MHz ±3 kHz.
5. Reconnect lead wires connected in adjustment mode.
6. Put disc (YEDS-18) in and press ▶ PLAY button.
7. Confirm that reading on frequency counter is 4.3218 MHz.

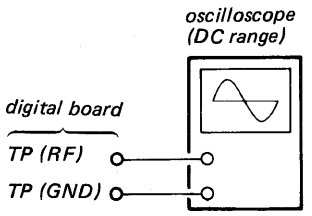
Adjustment Location: digital board



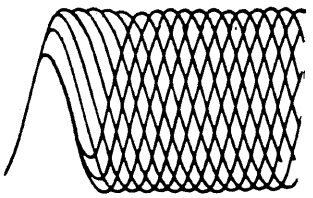
Focus Bias Adjustment

This adjustment should be made when replacing Optical Pick-up.

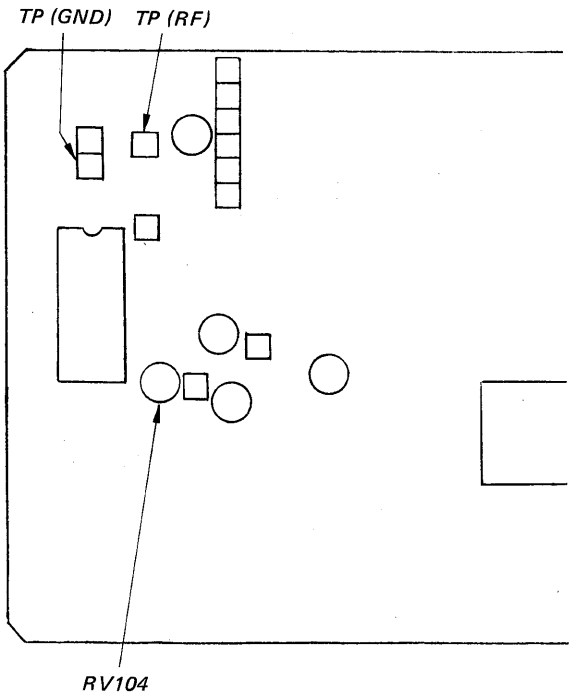
Procedure:



1. Connect oscilloscope to test points RF and GND.
2. Put set into adjustment mode. (See page 7.)
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and press ▶ button.
5. Adjust RV104 for an optimum waveform eye pattern or so that the peak is maximum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the waveform.



Adjustment Location: digital board

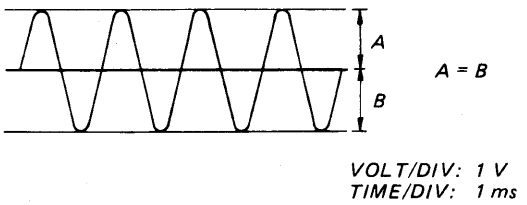


E-F Balance Adjustment

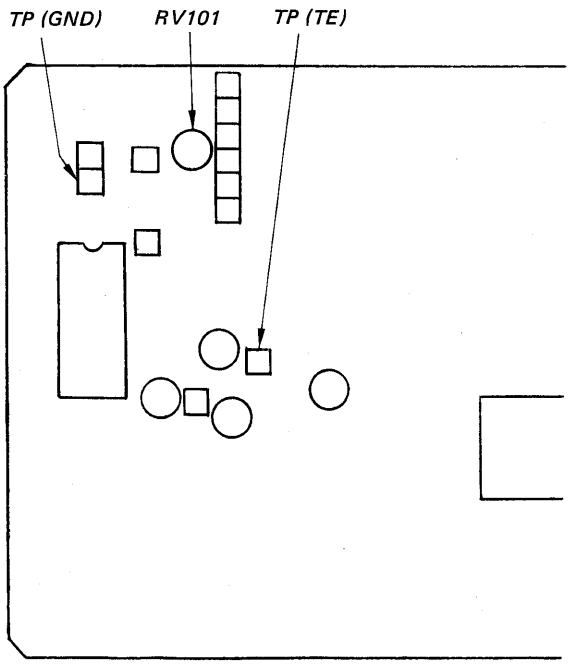
This adjustment should be made when replacing Optical Pick-up.

Procedure:

1. Connect oscilloscope to test points TE and GND.
2. Put set into adjustment mode. (See page 7.)
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and press ▶ button.
5. Adjust RV101 so that the traverse waveform is symmetrical above and below.
6. After adjustment, cancel the adjustment mode. (See page 7.)



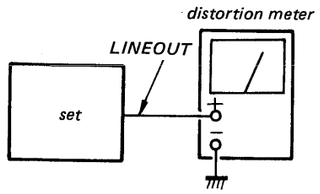
Adjustment Location: digital board



REFERENCE

Distortion Adjustment

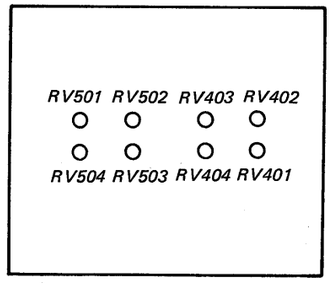
This adjustment should be made only when replacing D/A converter and components of the −15 V system power supply block.



1. Put disc (YEDS-18) in and playback 1 kHz, 0 dB signal track (second track).
2. Adjust the following volumes in order given by arrows so that the distortion is minimum.
   L-CH: RV404 → RV403 → RV401 → RV402
   R-CH: RV504 → RV503 → RV501 → RV502
3. Confirm the specification is satisfied. When out of specification, repeat item 2 and 3 several times.

Specification: 0.003% and below

Adjustment Location: main board



Focus/Tracking Gain Adjustment

A frequency responce analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

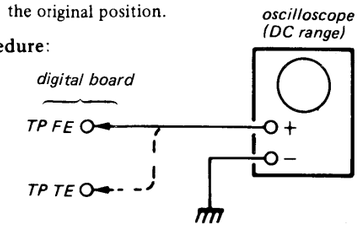
Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP →▷PLAY or automatic selection (⏮, ⏭ buttons pressed.) (Normally takes about 1 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP→▷PLAY or automatic selection.(⏮, ⏭ buttons pressed.)	–	low
• Disc table opens shortly after STOP→▷PLAY.	low or high	–
• Sound is interrupted during PLAY. Or time counter display stops progressing.	–	low
• More noise during 2-axis device operation.	high	high

The following is a simple adjustment method.

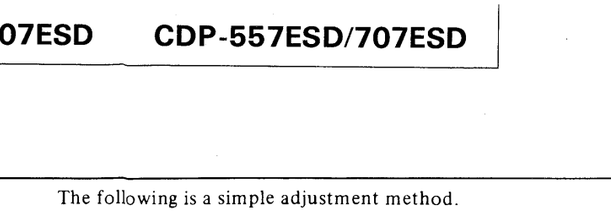
– Primary Adjustment –

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the primary adjustment are only a little different, return the controls to the original position.

Procedure:

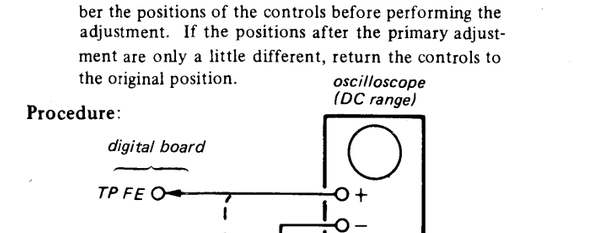


1. Keep the set horizontal.
   (If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Put set in adjustment mode. (See page 7.)
3. Insert disc (YEDS-1) and press ▶PLAY button.
4. Connect oscilloscope to servo board TP FE.
5. Adjustment RV103 so that the waveform is as shown in the figure below. (focus gain adjustment)

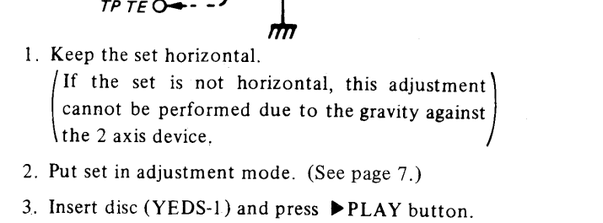


- Incorrent Examples (DC level changes more than on adjusted waveform)

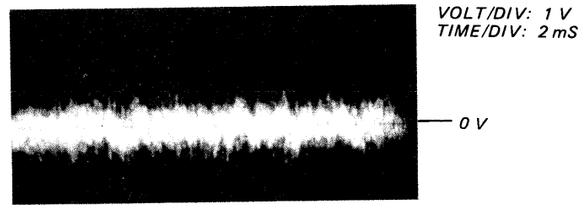
low focus gain



high focus gain

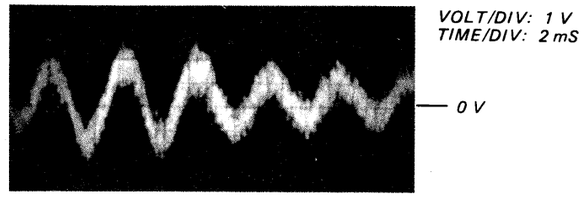


6. Connect oscilloscope to main board TP TE.
7. Adjust RV102 so that the waveform is as shown in the figure below. (tracking gain adjustment)

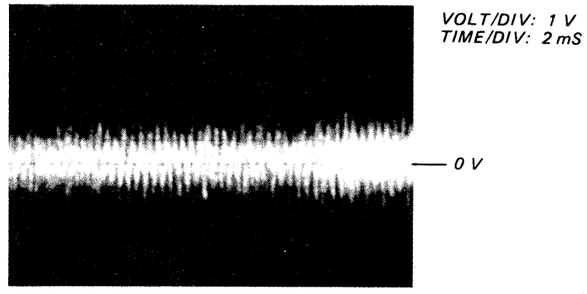


- Incorrect Examples (fundamental wave appears)

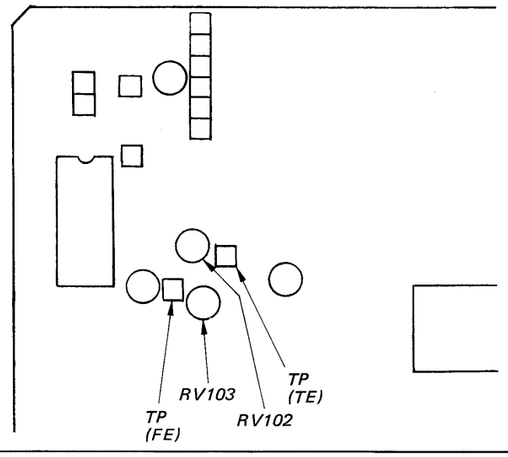
low tracking gain



high tracking gain
(higher fundamental wave than for low gain)



Adjustment Location: digital board

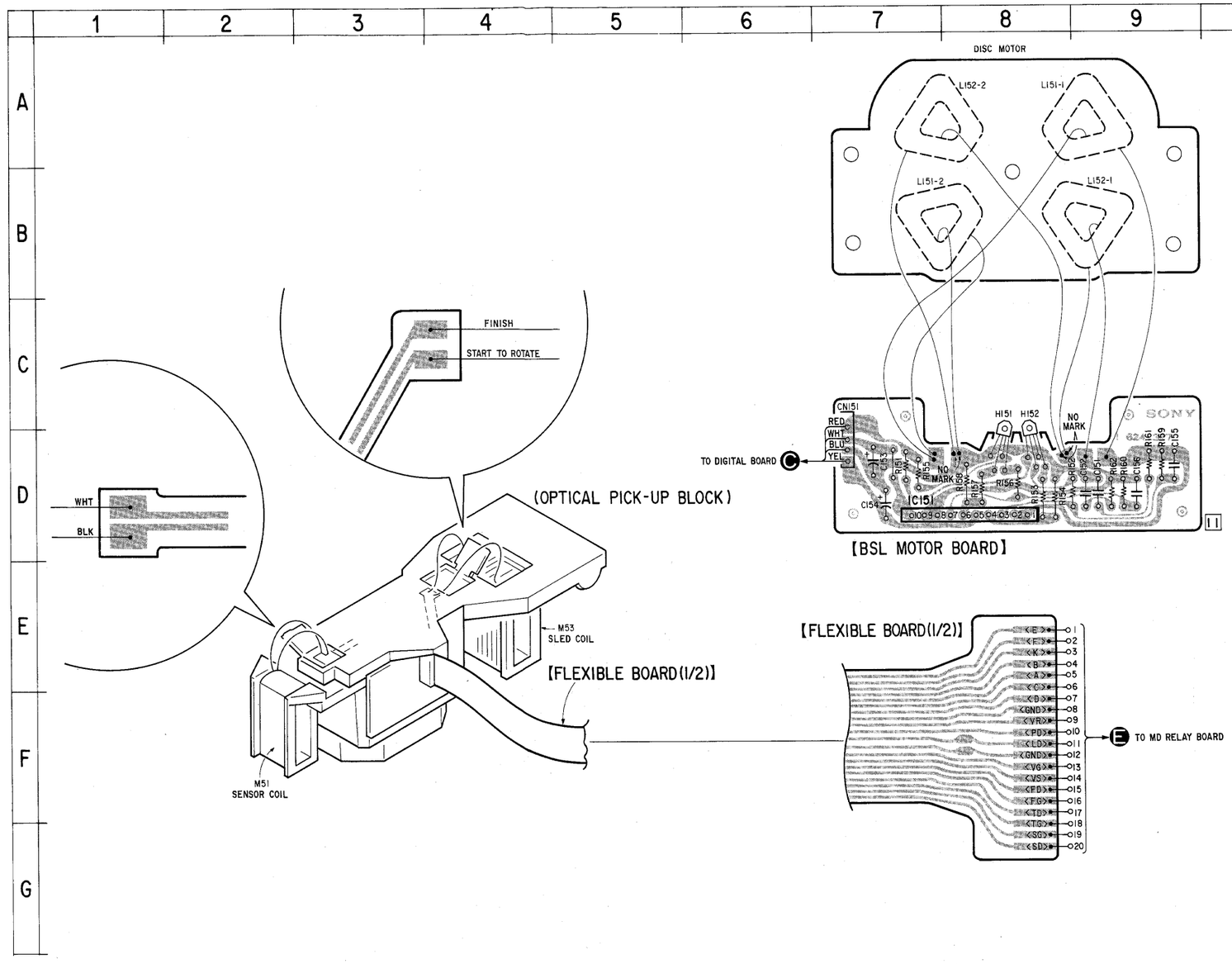


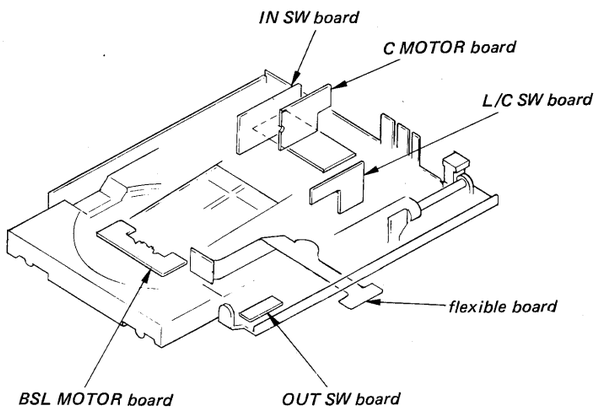
3-1. OPTICAL PICK-UP BLOCK MOUNTING DIAGRAM

- See page 23 for Schematic Diagram.
- See page 29 for Semiconductor Lead Layouts.
- See page 18 for notes.

- **SEMICONDUCTOR LOCATION**

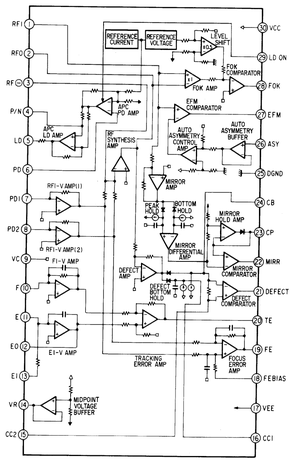
Ref. No.	Location
IC151	D-7



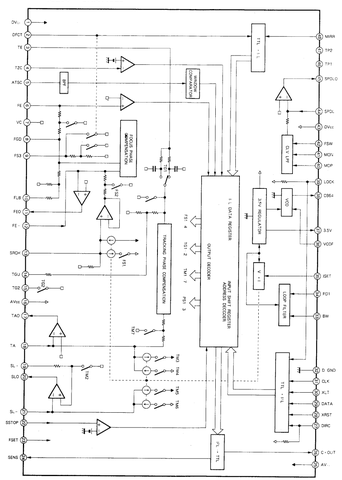


3-2. IC BLOCK DIAGRAMS

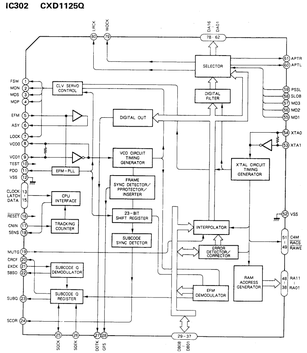
IC101 CXA1081S



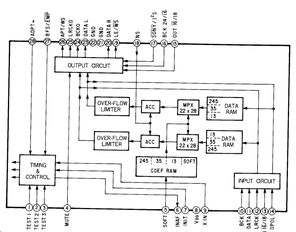
IC204 CXA1182S



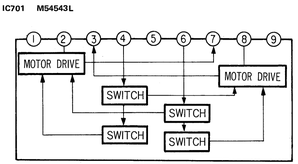
IC302 CXD1125Q



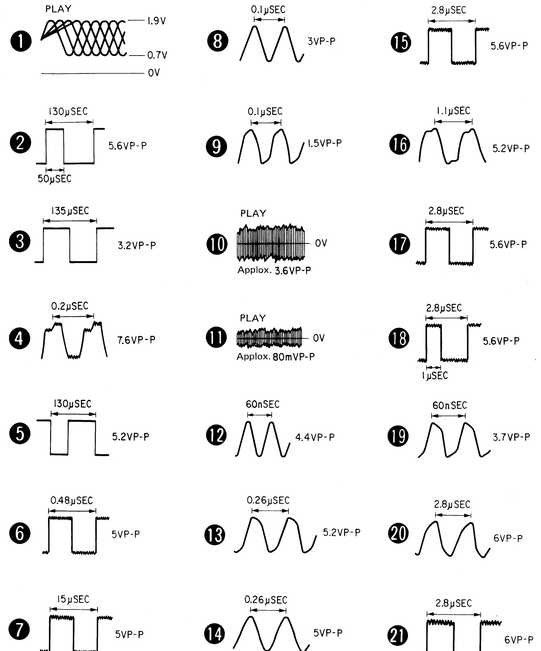
IC601 CXD1144P



IC701 M54543L



3-3. WAVEFORMS

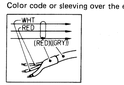


3-4. MAIN SECTION MOUNTING DIAGRAM

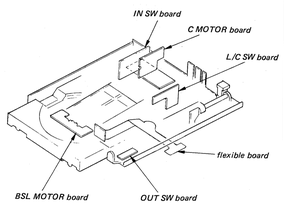
- **See page 11 for Optical Pick-up Block.**
- **See page 29 for Display section.**
- **See page 29 for Semiconductor Lead Layouts.**

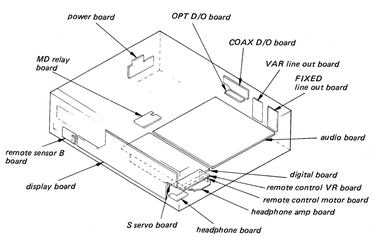
Note:

- Color code or sleeving over the end of the jacket.



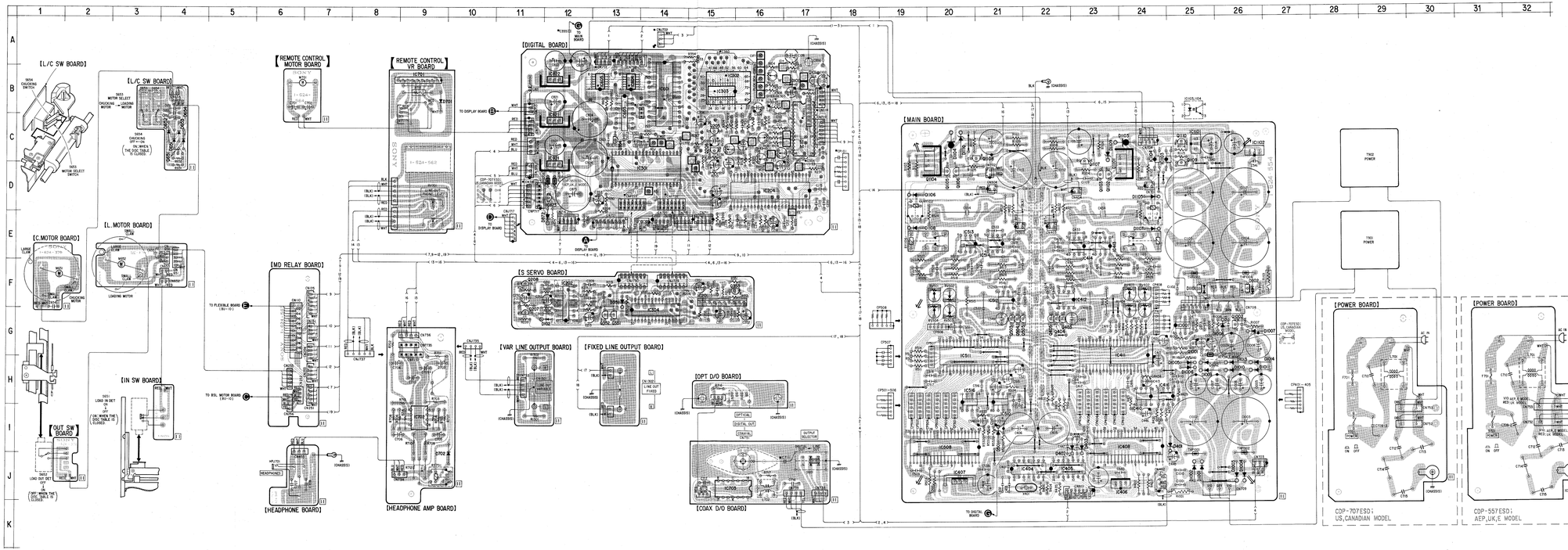
- ○—○ : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ⊗ : Through hole.
- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

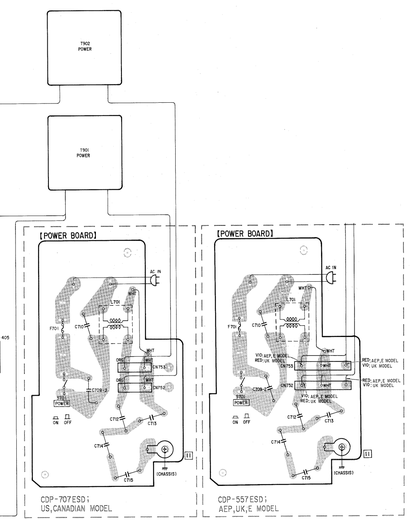




• SEMICONDUCTOR LOCATION

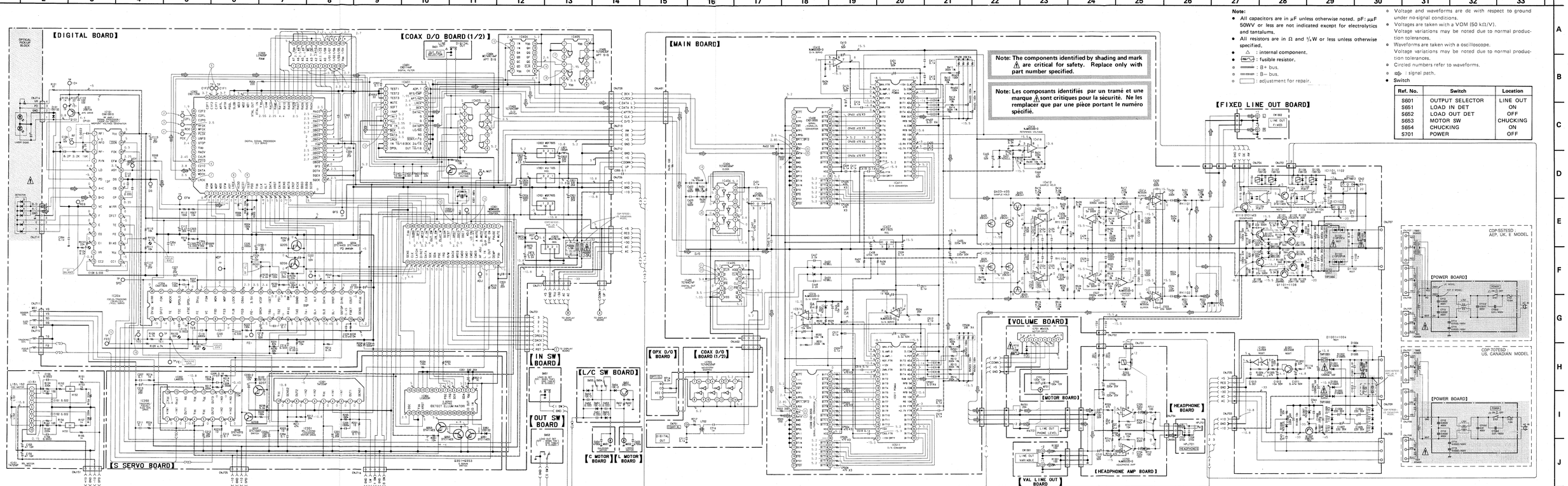
Ref. No.	Location	Ref. No.	Location
D101	B-17	IC511	G-20
D102	G-12	IC512	F-21
D351	F-13	IC513	E-20
D401	I-25	IC514	E-21
D402	J-22	IC516	H-20
D403	I-23	IC601	B-14
D501	I-21	IC603	B-13
D651	C-4	IC604	B-13
D652	C-4	IC605	B-13
D653	C-4	IC701	B-9
D654	B-4	IC702	I-9
D701	B-9	IC703	J-15
D702	I-9	IC821	C-12
D872	E-11	IC822	B-12
D1001	J-25	IC871	D-12
D1002	J-26	IC872	C-12
D1003	H-26	IC1001	C-25
D1004	J-26	IC1101	C-25
D1005	H-25	IC1102	C-26
D1006	H-25	IC1103	C-24
D1007	G-27	IC1104	C-24
D1008	G-26		
D1009	H-25	Q101	B-17
D1010	H-26	Q205	C-15
D1011	H-26	Q206	C-15
D1012	H-25	Q207	C-11
D1013	H-26	Q208	F-11
D1014	H-27	Q351	G-13
D1101	F-25	Q352	G-13
D1102	F-26	Q353	F-15
D1103	C-25	Q354	C-13
D1104	C-26	Q403	G-22
D1105	D-24	Q404	G-22
D1106	D-26	Q405	G-22
D1107	E-24	Q503	G-21
D1108	E-26	Q504	G-21
D1109	C-23	Q505	G-21
D1110	C-26	Q651	C-4
		Q1001	G-25
IC101	C-17	Q1002	G-26
IC201	F-15	Q1101	D-23
IC202	F-12	Q1102	D-23
IC204	D-16	Q1103	D-23
IC301	D-14	Q1104	D-20
IC302	B-15	Q1105	D-20
IC303	B-15	Q1106	D-20
IC304	G-14	Q1107	D-23
IC404	J-22	Q1108	C-21
IC405	J-22	Q1109	C-25
IC406	J-23	Q1110	C-25
IC407	J-20		
IC408	I-24		
IC410	I-24		
IC411	G-24		
IC412	F-23		
IC413	E-23		
IC416	E-23		
IC508	H-24		
IC509	I-20		
IC510	I-21		





3-5. MAIN SECTION SCHEMATIC DIAGRAM (INCLUDING OPTICAL PICK-UP BLOCK)

• See page 13 for IC Block Diagrams. • See page 16 for Waveforms. • See page 29 for Display section.


【DIGITAL BOARD】
【COAX D/O BOARD (1/2)】
【MAIN BOARD】
【FIXED LINE OUT BOARD】
【VOLUME BOARD】
【MOTOR BOARD】
【HEADPHONE BOARD】
【HEADPHONE AMP BOARD】
【VAL LINE OUT BOARD】
【S SERVO BOARD】
【IN SW BOARD】
【OUT SW BOARD】
【L/C SW BOARD】
【C MOTOR BOARD】
【L MOTOR BOARD】
【OPX D/O BOARD】
【POWER BOARD】
CDP-557ESD/ AEP, UK, E MODEL
CDP-707ESD/ US, CANADIAN MODEL
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.
Note: Les composants identifiés par un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- fusible resistor.
- : B+ bus.
- : B− bus.
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- : signal path.
- Switch

Ref. No.	Switch	Location
S601	OUTPUT SELECTOR	LINE OUT
S651	LOAD IN DET	ON
S652	LOAD OUT DET	OFF
S653	MOTOR SW	CHUCKING
S654	CHUCKING	ON
S701	POWER	OFF

Note on Schematic Diagram:

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▬▬ : B+ bus.
- ▬ ▬ : B– bus.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Switch

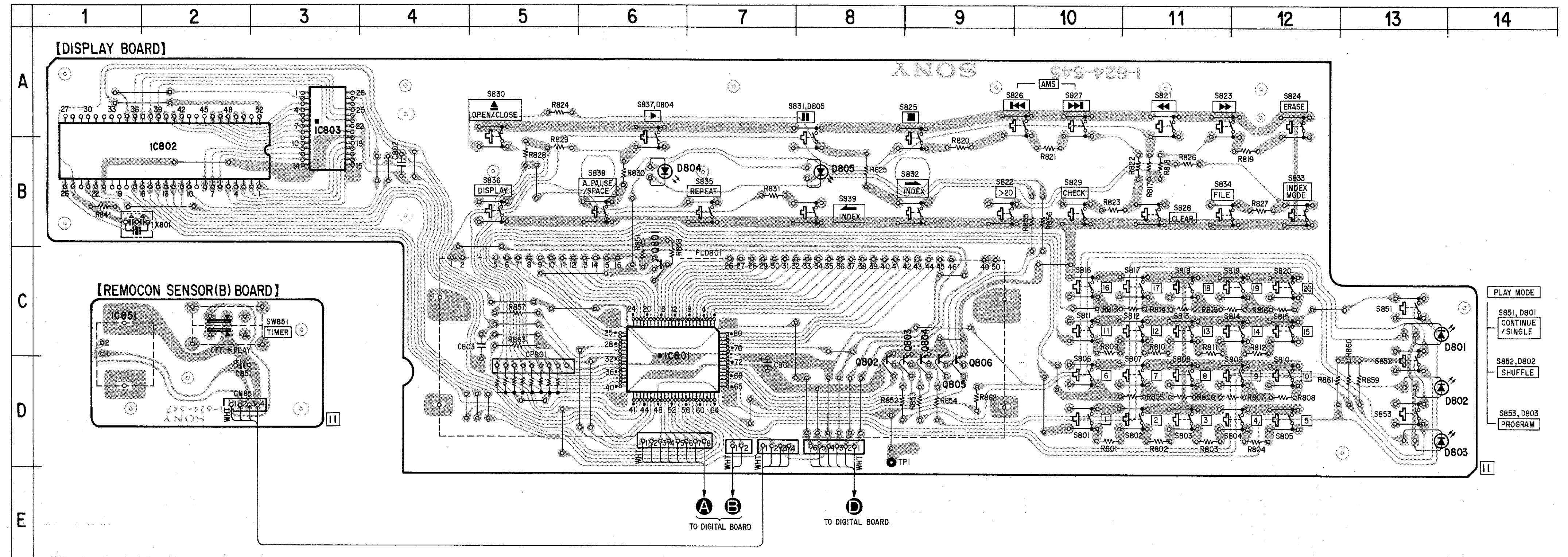
Ref. No.	Switch	Location
S801	1	OFF
S802	2	OFF
S803	3	OFF
S804	4	OFF
S805	5	OFF
S806	6	OFF
S807	7	OFF
S808	8	OFF
S809	9	OFF
S810	10	OFF
S811	11	OFF
S812	12	OFF
S813	13	OFF
S814	14	OFF
S815	15	OFF
S816	16	OFF
S817	17	OFF
S818	18	OFF
S819	19	OFF
S820	20	OFF
S821	◀◀	OFF
S822	>20	OFF
S823	▶▶	OFF
S824	ERASE	OFF
S825	■	OFF
S826	AMS ⏮	OFF
S827	AMS ⏭	OFF
S828	CLEAR	OFF
S829	CHECK	OFF
S830	⏏ OPEN/CLOSE	OFF
S831	❚❚	OFF
S832	→ INDEX	OFF
S833	INDEX MODE	OFF
S834	FILE	OFF
S835	REPEAT	OFF
S836	DISPLAY	OFF
S837	▶	OFF
S838	A. PAUSE/SPACE	OFF
S839	← INDEX	OFF
S851	PLAY MODE CONTINUE/SINGLE	OFF
S852	PLAY MODE SHUFFLE	OFF
S853	PLAY MODE PROGLAM	OFF
SW851	TIMER	OFF

3-6. DISPLAY SECTION MOUNTING DIAGRAM

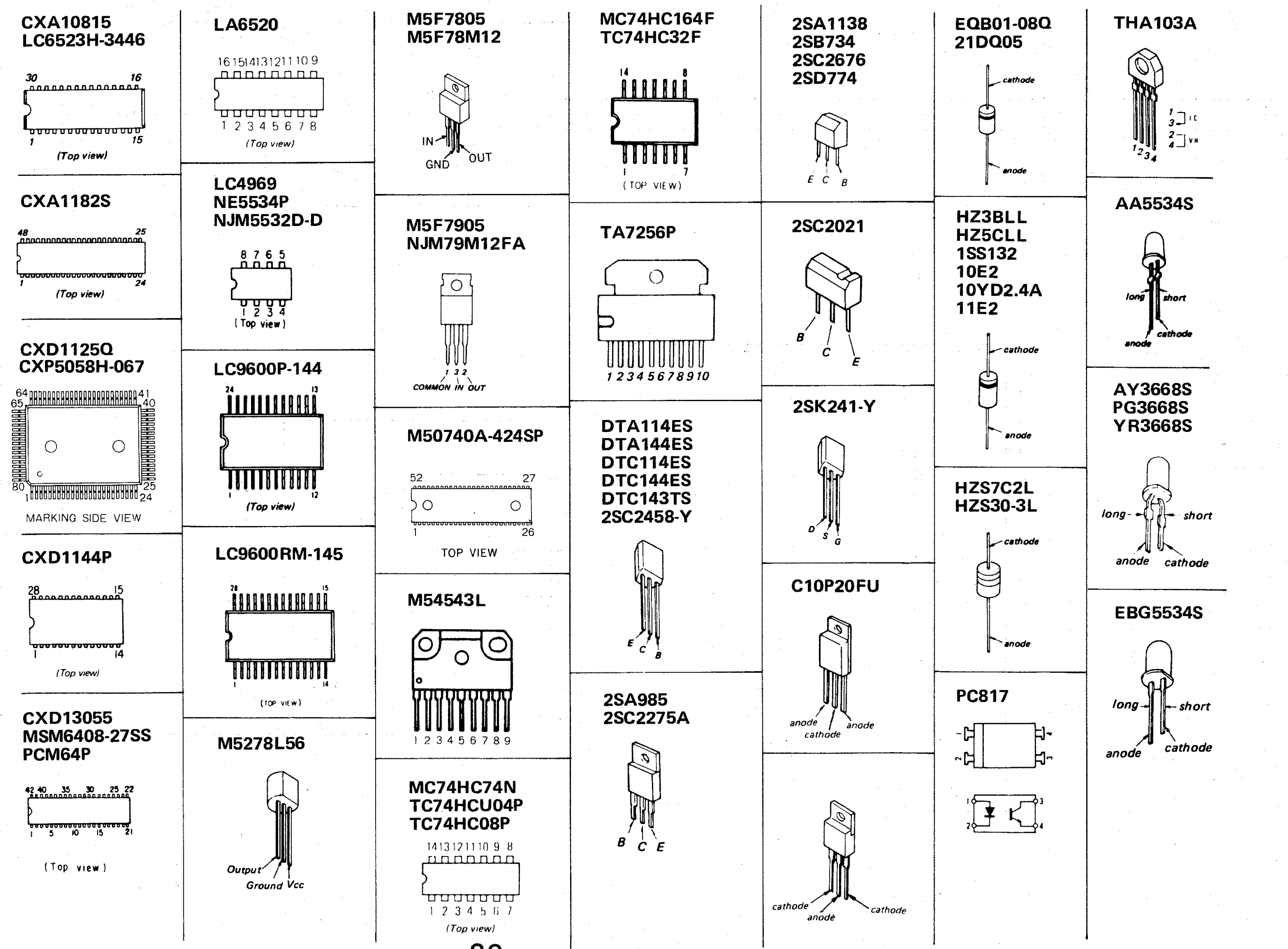
• See page 18 for Main section.

- SEMICONDUCTOR LOCATION

Ref. No.	Location
D801	C-14
D802	D-14
D803	D-14
D804	B-7
D805	B-8
IC801	C-6
IC802	B-2
IC803	A-3
IC851	C-1
Q801	B-6
Q802	D-8
Q803	C-9
Q804	C-9
Q805	D-9
Q806	D-9


[DISPLAY BOARD]
[REMOCON SENSOR(B) BOARD]
IC801
IC802
IC803
IC851
FLD801
SW851 TIMER
S830 OPEN/CLOSE
S836 DISPLAY
S838 A.PAUSE /SPACE
S835 REPEAT
S839 INDEX
S832 INDEX
S825
S826
S827
AMS
S821
S823
S824 ERASE
S822 >20
S829 CHECK
S828 CLEAR
S834 FILE
S833 INDEX MODE
PLAY MODE
S851, D801 CONTINUE /SINGLE
S852, D802 SHUFFLE
S853, D803 PROGRAM
D801
D802
D803
D804
D805
TP1
TO DIGITAL BOARD
TO DIGITAL BOARD

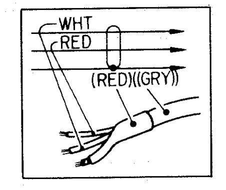
3-7. SEMICONDUCTOR LEAD LAYOUTS


CXA10815
LC6523H-3446
(Top view)
CXA1182S
(Top view)
CXD1125Q
CXP5058H-067
MARKING SIDE VIEW
CXD1144P
(Top view)
CXD13055
MSM6408-27SS
PCM64P
(Top view)
LA6520
(Top view)
LC4969
NE5534P
NJM5532D-D
(Top view)
LC9600P-144
(Top view)
LC9600RM-145
(TOP VIEW)
M5278L56
Output
Ground
Vcc
M5F7805
M5F78M12
IN
GND
OUT
M5F7905
NJM79M12FA
COMMON IN OUT
M50740A-424SP
TOP VIEW
M54543L
MC74HC74N
TC74HCU04P
TC74HC08P
(Top view)
MC74HC164F
TC74HC32F
(TOP VIEW)
TA7256P
DTA114ES
DTA144ES
DTC114ES
DTC144ES
DTC143TS
2SC2458-Y
2SA985
2SC2275A
2SA1138
2SB734
2SC2676
2SD774
2SC2021
2SK241-Y
C10P20FU
anode
cathode
EQB01-08Q
21DQ05
cathode
anode
HZ3BLL
HZ5CLL
1SS132
10E2
10YD2.4A
11E2
HZS7C2L
HZS30-3L
PC817
THA103A
AA5534S
long
short
anode
cathode
AY3668S
PG3668S
YR3668S
EBG5534S

Note on Mounting Diagram:

Note:

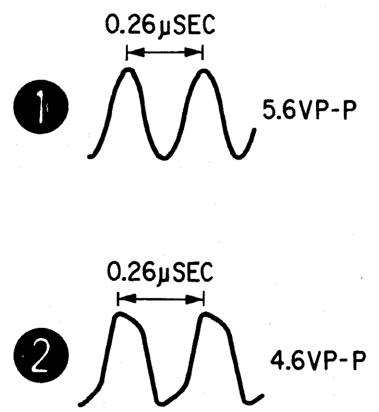
- Color code or sleeving over the end of the jacket.

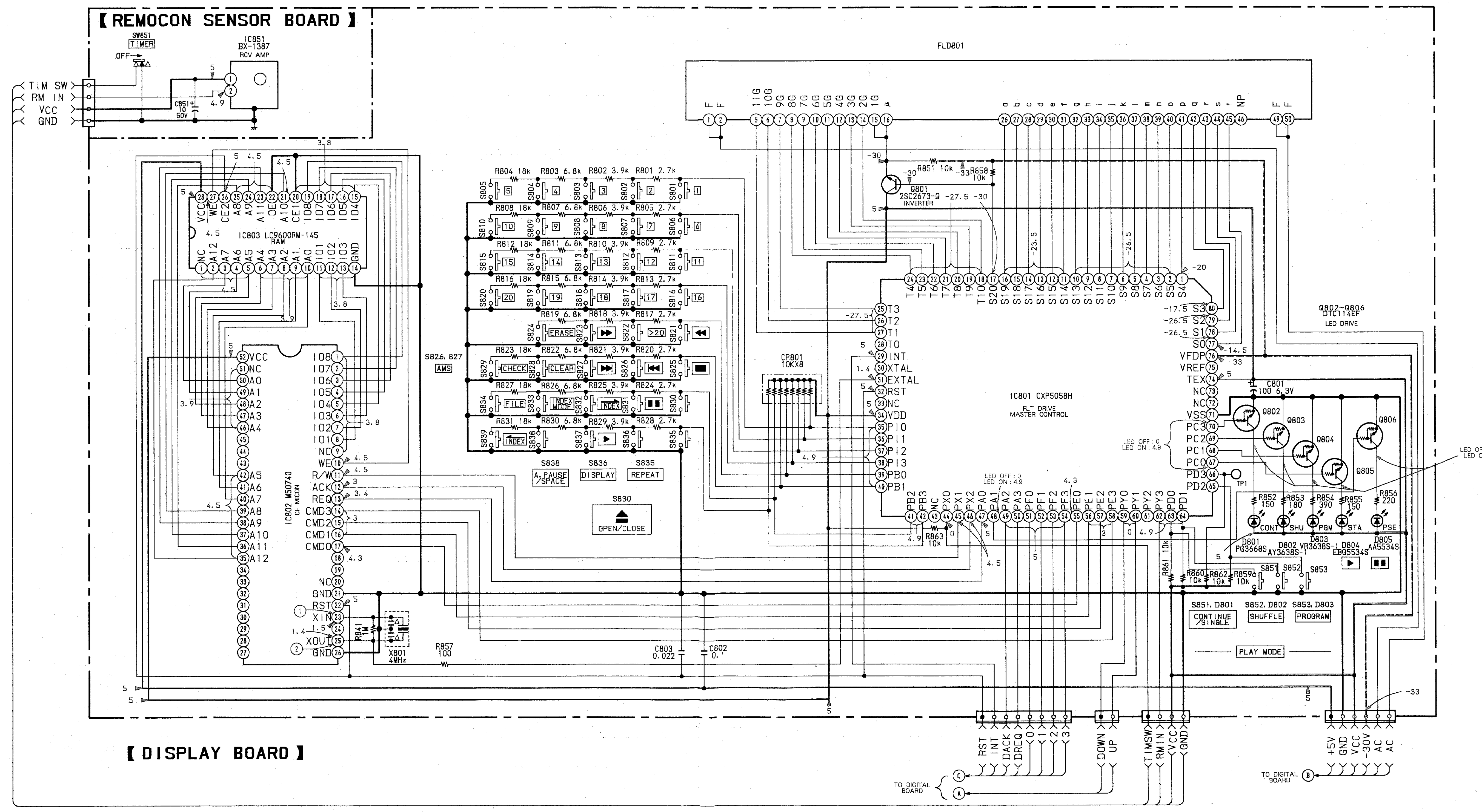


- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.

3-8. DISPLAY SECTION SCHEMATIC DIAGRAM

• See page 23 for Main section. • See page 13 for IC Block Diagram.




[REMOCON SENSOR BOARD]
SW851 TIMER
IC851 BX-1387 RCV AMP
TIM SW
RM IN
VCC
GND
FLD801
IC803 LC9600RM-145 RAM
IC802 M50740 CF MICON
IC801 CXP5058H FLT DRIVE MASTER CONTROL
Q801 2SC2673-Q INVERTER
Q802~Q806 DTC114EF LED DRIVE
CP801 10KX8
X801 4MHz
S826, 827 AMS
S838 A.PAUSE /SPACE
S836 DISPLAY
S835 REPEAT
S830 OPEN/CLOSE
S851, D801 CONTINUE /SINGLE
S852, D802 SHUFFLE
S853, D803 PROGRAM
PLAY MODE
D801 PG3668S
D802 AY3638S-1
D803 VR3638S-1
D804 EBG5534S
D805 AA5534S
LED OFF : 0 LED ON : 4.9
LED OFF : 3.4 LED ON : 0
[DISPLAY BOARD]
RST INT DACK DREQ 0 1 2 3
DOWN UP
TIMSW RMIN VCC GND
+5V GND VCC -30V AC AC
TO DIGITAL BOARD
TO DIGITAL BOARD

SECTION 4

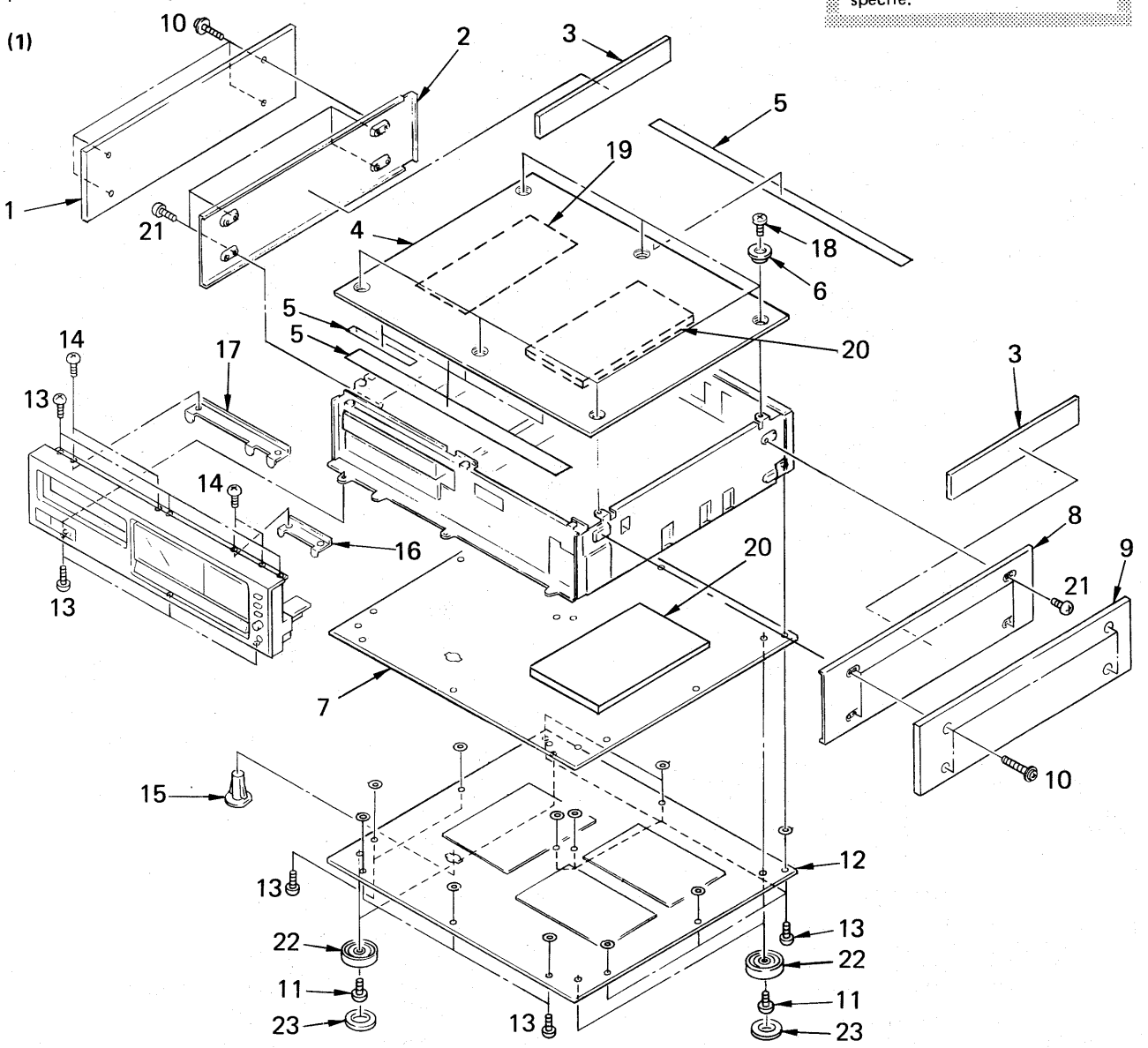
EXPLODED VIEWS AND PARTS LIST

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) ... KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts' Color

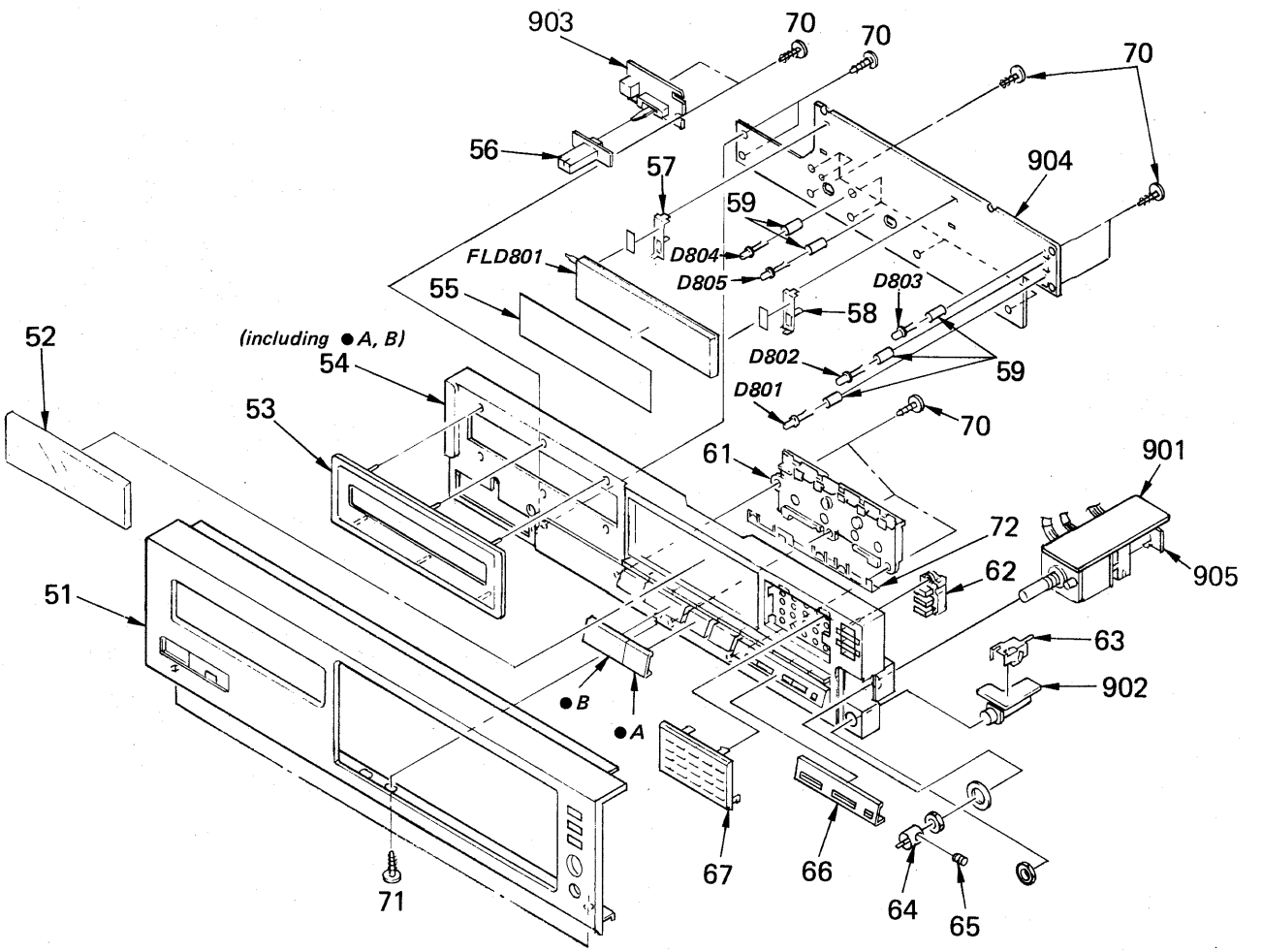
The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.



No.	Part No.	Description	Remarks
1	X-4922-509-1	(US,Canadian)...PLATE (LEFT) ASSY, SIDE	
	X-4922-538-1	(AEP).....PLATE (LEFT) ASSY, SIDE	
2	*4-922-551-01	(US,Canadian)...PLATE (LEFT), SIDE	
	*4-922-595-01	(AEP,UK).....PLATE (LEFT), SIDE	
3	*4-923-544-01	CUSHION (C)	
4	4-922-575-11	(US,Canadian,AEP)...PLATE, TOP	
	4-922-575-21	(UK).....PLATE, TOP	
5	3-831-441-XX	(AEP,UK)...TAPE	
	*4-922-933-01	(US).....SPACER	
6	4-922-535-01	RING, ORNAMENTAL	
7	4-922-578-31	PLATE, BOTTOM	
8	*4-922-550-01	(US,Canadian)...PLATE (RIGHT), SIDE	
	*4-923-596-01	(AEP,UK).....PLATE (RIGHT), SIDE	
9	X-4922-510-1	(US,Canadian)...PLATE (RIGHT) ASSY, SIDE	
	X-4922-539-1	(AEP).....PLATE (RIGHT) ASSY, SIDE	
10	4-885-979-11	(US,Canadian,AEP)...SCREW (4X25)	
11	7-682-666-09	SCREW +PS 4X20	
12	4-922-578-21	PLATE, BOTTOM	
13	3-703-685-21	SCREW (+BV 3X8)	
14	7-621-259-35	SCREW +BVTT 2.6X5 (S)	
15	*4-922-553-01	PLATE, LOCK, TRANSPORT	
16	*4-923-505-01	RETAINER (B), PANEL	
17	*4-923-519-01	RETAINER (A), PANEL	
18	7-682-546-09	SCREW +B 3X5	
19	*4-913-188-01	FELT (C), ACOUSTIC ABSORBENT	
20	*4-913-189-01	FELT (B), ACOUSTIC ABSORBENT	
21	4-847-802-00	(UK)...SCREW	
22	4-922-544-01	BASE, FOOT	
23	4-922-543-01	FOOT	

(2)



No.	Part No.	Description	Remarks
51	X-4922-523-1	(AEP).....FRONT PANEL ASSY	
	X-4922-531-1	(US,Canadian)...FRONT PANEL ASSY	
	X-4922-540-1	(UK).....FRONT PANEL ASSY	
52	4-923-516-01	PLATE, INDICATION	
53	4-922-558-01	(AEP,UK).....COVER	
	4-922-558-11	(US,Canadian)...COVER	
54	X-4922-532-1	(US,Canadian)...PANEL BASE ASSY	
	X-4922-534-1	(AEP,UK).....PANEL BASE ASSY	
55	4-923-502-01	FILTER	
56	4-887-131-00	KNOB, SLIDE SWITCH	
57	*4-922-524-01	HOLDER (LEFT)	
58	*4-922-523-01	HOLDER (RIGHT)	
59	*4-923-532-01	SPACER, LED	

No.	Part No.	Description	Remarks
61	4-922-559-01	BASE, SUB	
62	X-4922-518-1	BUTTON (MODE) ASSY	
63	4-922-579-01	PLATE, GROUND (HP)	
64	4-923-536-01	KNOB, VOLUME	
65	3-701-505-00	SET SCREW, DOUBLE POINT 3X3	
66	4-923-509-01	ESCUTCHEON, SERCH BUTTON	
67	A-4605-181-A	KEY ASSY, 20	
70	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
71	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
72	4-923-515-01	PLATE, GROUND	
901	*1-624-562-11	PC BOARD, VOLUME	
902	*1-624-548-11	PC BOARD, HEADPHONE	
903	*1-624-547-11	PC BOARD, REMOCOM SENSOR (B)	
904	*A-4655-059-A	MOUNTED PCB, DISPLAY	
905	*1-624-564-11	PC BOARD, MOTOR	
FLD801	1-519-427-11	INDICATOR TUBE, FLUORESCENT	

(3)

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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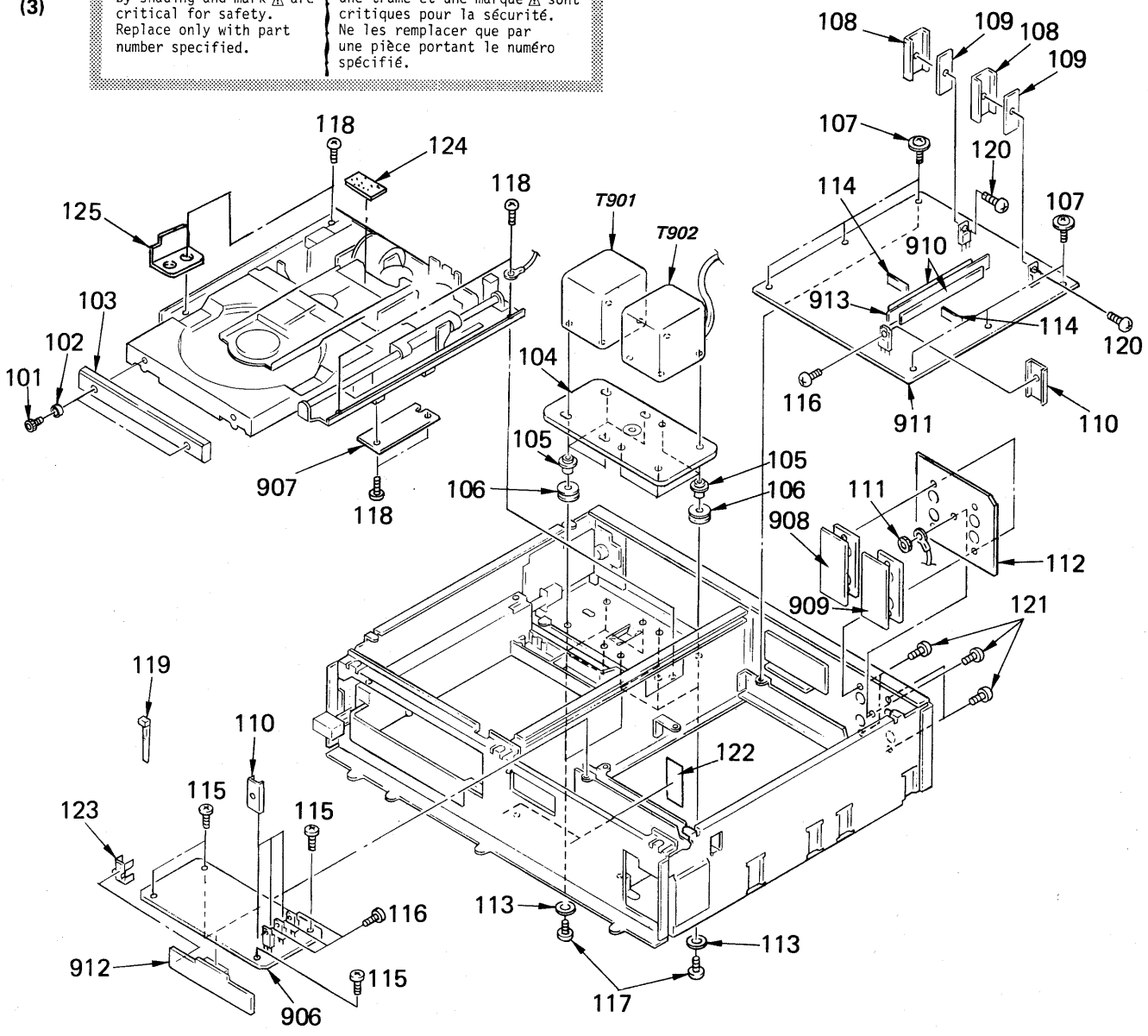
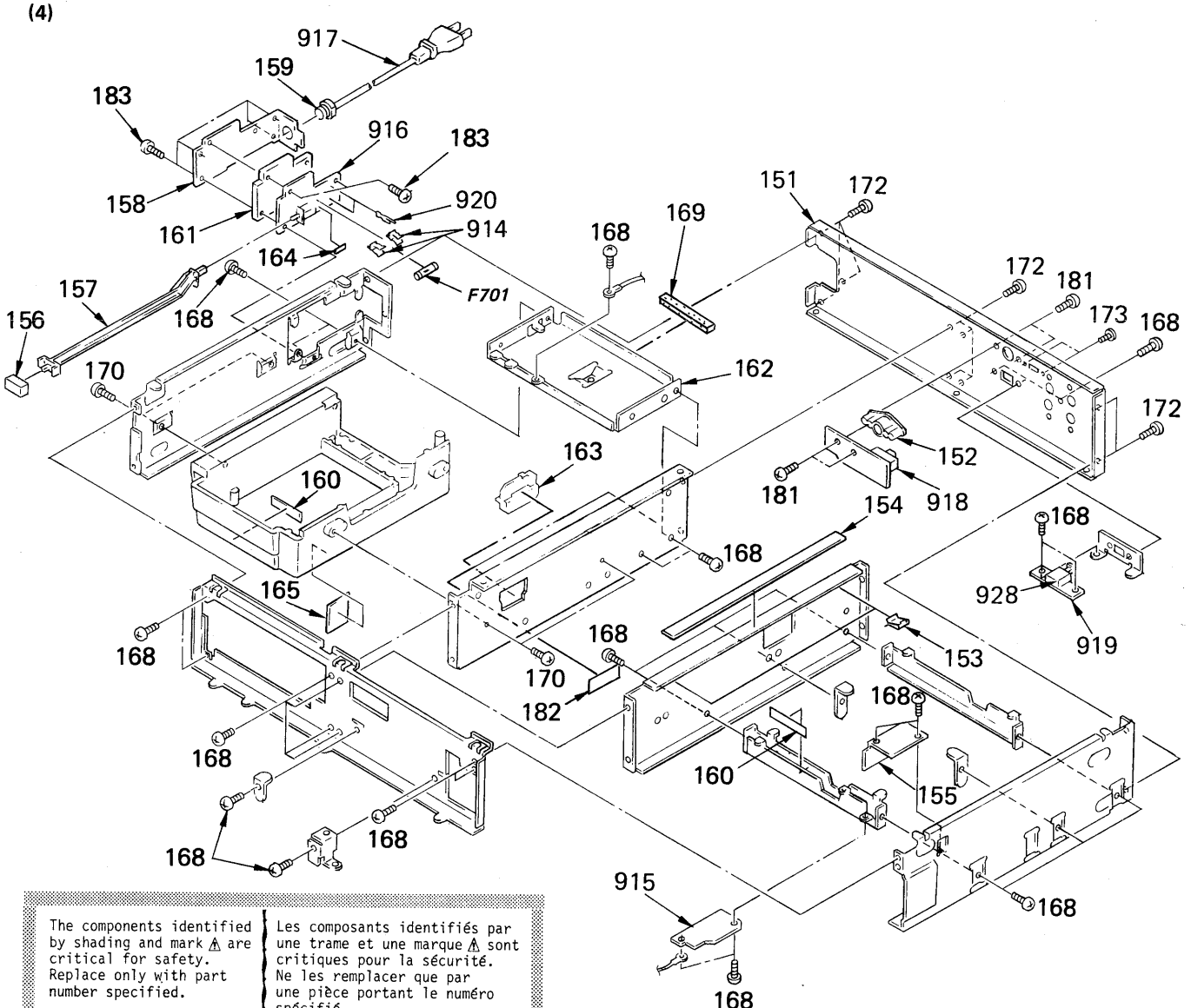


No.	Part No.	Description	Remarks
101	7-683-412-05	BOLT, HEXAGON SOCKET 2.6X6	
102	4-884-635-00	BASE, ORNAMENTAL	
103	4-922-564-03	(AEP,UK).....PANEL, LOADING	
	4-922-564-14	(US,Canadian)...PANEL, LOADING	
104	*4-922-563-01	BASE, TRANSFORMER	
105	*4-923-542-01	COLLAR	
106	*4-888-798-00	BUSHING, RUBBER	
107	X-4908-910-1	SCREW ASSY (+ BVTT)	
108	*4-886-555-00	HEAT SINK	
109	4-870-272-00	HEAT SINK	
110	*3-309-144-01	HEAT SINK	
111	7-684-023-04	N 3, TYPE 2	
112	*4-922-540-01	BRACKET, TERMINAL	
113	7-688-005-01	W 5, SMALL	
114	*4-923-529-01	PLATE, SHIELD	
115	7-682-548-09	SCREW (3X8)	
116	7-682-147-15	SCREW, TR	
117	7-682-552-09	SCREW +B 3X16	

No.	Part No.	Description	Remarks
118	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT	
119	3-691-877-01	BAND, BINDING	
120	7-682-148-15	SCREW, TR	
121	3-703-685-21	SCREW (+BV 3X8)	
122	3-831-441-XX	CUSHION (B)	
123	*4-922-525-01	HEAT SINK	
124	*4-912-552-01	SHEET (B), DT PS	
125	*4-923-564-01	REINFORCEMENT	
906	*A-4619-303-A	MOUNTED PCB, DIGITAL SERVO	
907	*1-624-563-11	PC BOARD, TRANSLATION	
908	*1-624-561-11	PC BOARD, VAR LINE OUTPUT	
909	*1-624-560-11	PC BOARD, FIXED LINE OUTPUT	
910	*1-566-940-11	BUS BAR 6P	
911	*A-4651-178-A	MOUNTED PCB, AUDIO	
913	*1-566-959-11	BAR, BUS	
T901 ⚠	.1-449-078-11	(US,Canadian)...TRANSFORMER, POWER	
T901 ⚠	.1-449-079-11	(AEP,UK).....TRANSFORMER, POWER	
T902 ⚠	.1-449-081-11	(US,Canadian)...TRANSFORMER, POWER	
T902 ⚠	.1-449-082-11	(AEP,UK).....TRANSFORMER, POWER	

(4)



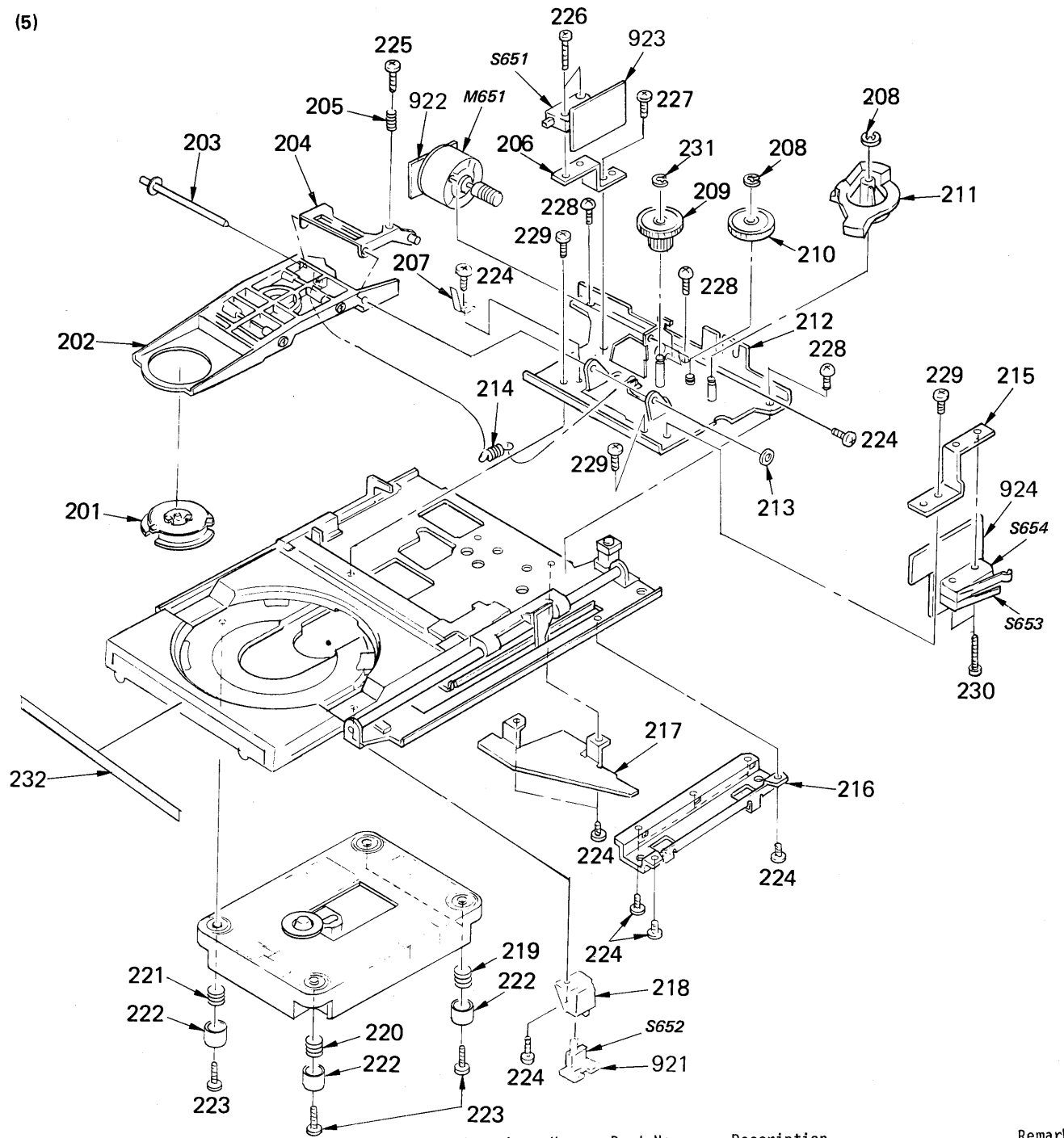
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description	Remarks
151	*4-922-503-12	(US).....PANEL, BACK	
	*4-922-503-22	(Canadian)...PANEL, BACK	
	*4-922-503-32	(UK).....PANEL, BACK	
	*4-922-503-42	(AEP).....PANEL, BACK	
152	*4-913-152-01	ESCUTCHEON, D/O	
153	4-922-580-02	SPRING (TOP PLATE)	
154	*4-923-538-01	CUSHION (A)	
155	*4-922-534-01	PLATE, SHIELD	
156	4-923-520-01	KNOB, POWER	
157	*4-923-521-01	LEVER, POWER SWITCH	
158	*4-922-561-11	(US,Canadian)...BRACKET (POWER)	
	*4-922-561-21	(AEP,UK).....BRACKET (POWER)	
159	2-231-019-00	(AEP,UK).....CLAMPER, CORD	
	4-916-783-01	(US,Canadian)...BUSHING, CORD	
160	*4-923-530-01	DUMPER (A)	
161	*4-922-560-01	COVER, INSULATING	
162	*4-922-562-02	BRACKET (TRANSFORMER)	
163	*4-922-552-01	HOLDER (B), HARNESS	
164	3-701-946-22	(US,Canadian)...LABEL, FUSE	
	*3-703-948-13	(AEP,UK).....LABEL, FUSE	

No.	Part No.	Description	Remarks
165	*4-923-531-02	DUMPER (B)	
168	7-682-548-09	SCREW (3X8)	
169	4-923-579-01	CUSHION (D)	
170	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT	
172	3-703-685-21	SCREW (+BV 3X8)	
173	7-621-775-10	SCREW, +B 2.6X4, PAWL	
181	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
182	*4-923-543-01	CUSHION (B)	
183	7-685-870-01	SCREW +BVTT 3X5 (S)	
912	*1-624-556-11	PC BOARD, (S) SERVO	
914	1-533-183-11	HOLDER, FUSE	
915	*1-624-565-11	PC BOARD, HEADPHONE ANPLIFIER	
916	*1-624-557-11	PC BOARD, POWER	
917	⚠ .1-555-795-00	(AEP).....CORD, POWER	
	⚠ .1-556-035-00	(UK).....CORD, POWER	
	⚠ .1-559-479-11	(US,Canadian)...CORD, POWER	
918	*1-624-558-11	PC BOARD, COAX D/O	
919	*1-624-559-11	PC BOARD, OPT D/O	
920	*1-535-688-11	TERMINAL	
928	1-464-878-11	TRANSMITTER UNIT, RAY	
F701	⚠ .1-532-215-00	(AEP,UK).....FUSE, TIME-LAG (T0.8A)	
F701	⚠ .1-532-824-11	(US,Canadian)...FUSE, GLASS TUBE (1.6A)	

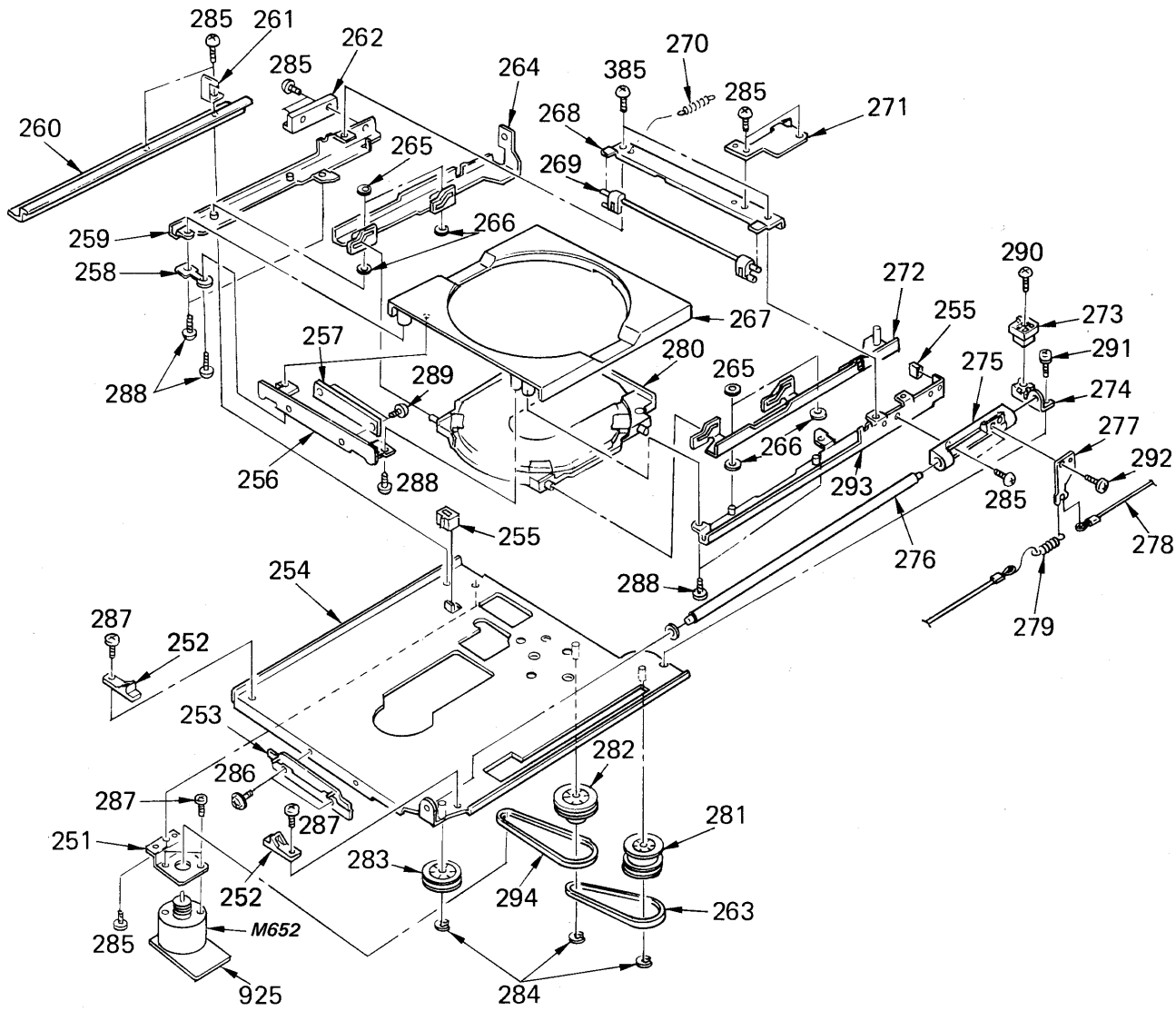
(5)



No.	Part No.	Description	Remarks
201	A-4675-235-A	PULLEY ASSY, PRESS	
202	*X-4912-509-1	ARM ASSY, C	
203	4-908-513-01	SHAFT, FULCRUM, C ARM	
204	X-4908-513-1	PLATE ASSY, ADJUSTMENT, ARM	
205	4-908-559-01	SPRING, COMPRESSION	
206	*4-912-543-01	BRACKET (D), SWITCH	
207	*4-912-569-11	PLATE (B), GROUND	
208	7-624-106-04	STOP RING 3.0, TYPE -E	
209	4-912-514-01	GEAR (A)	
210	4-912-525-01	GEAR (B)	
211	4-912-528-01	GEAR, CAM	
212	*X-4912-503-1	CHASSIS ASSY, SUB	
213	4-912-593-01	WASHER	
214	4-908-555-01	SPRING, TENSION (C ARM)	
215	*4-912-524-01	BRACKET (A), SWITCH	
216	*4-912-580-01	COVER, ROPE	
217	*4-908-597-01	COVER, BELT	
218	*4-912-588-01	HOLDER (OUT SW)	
219	4-912-577-01	SPRING (H), COMPRESSION	
220	4-912-575-01	SPRING (F), COMPRESSION	
221	4-912-576-01	SPRING (C), COMPRESSION	
222	4-912-578-01	HOLDER, SP	

No.	Part No.	Description	Remarks
223	7-686-529-01	SCREW, TOTSU PSW 3X10	
224	7-621-775-00	SCREW +B 2.6X3	
225	7-621-775-80	SCREW +B 2.6X16	
226	7-685-864-01	SCREW +BVTT 2.6X10 (S)	
227	7-682-646-09	SCREW +PS 3X5	
228	7-685-870-01	SCREW +BVTT 3X5 (S)	
229	7-682-544-09	SCREW +B 3X3	
230	7-621-257-85	SCREW +P 2.3X14	
231	7-624-109-04	STOP RING 5.0, TYPE -E	
232	*4-912-589-01	CUSHION	
921	*1-624-378-11	PC BOARD, OUT SW	
922	*1-624-379-11	PC BOARD, C.MOTOR	
923	*1-624-377-11	PC BOARD, IN SW	
924	*1-624-375-11	PC BOARD, L/C SW	
925	*1-624-376-11	PC BOARD, L.MOTOR	
M651	X-4902-019-1	MOTOR ASSY, CHUCKING	
M652	A-4608-303-A	MOTOR ASSY, LOADING	
S651	1-554-205-00	SWITCH, PUSH (LOAD IN DET)	
S652	1-571-300-11	SWITCH, ROTARY (LOAD OUT DET)	
S653	1-553-636-00	SWITCH, MICRO (MOTOR SELECT)	
S654	1-570-447-11	SWITCH, MICRO (CHUCKING)	

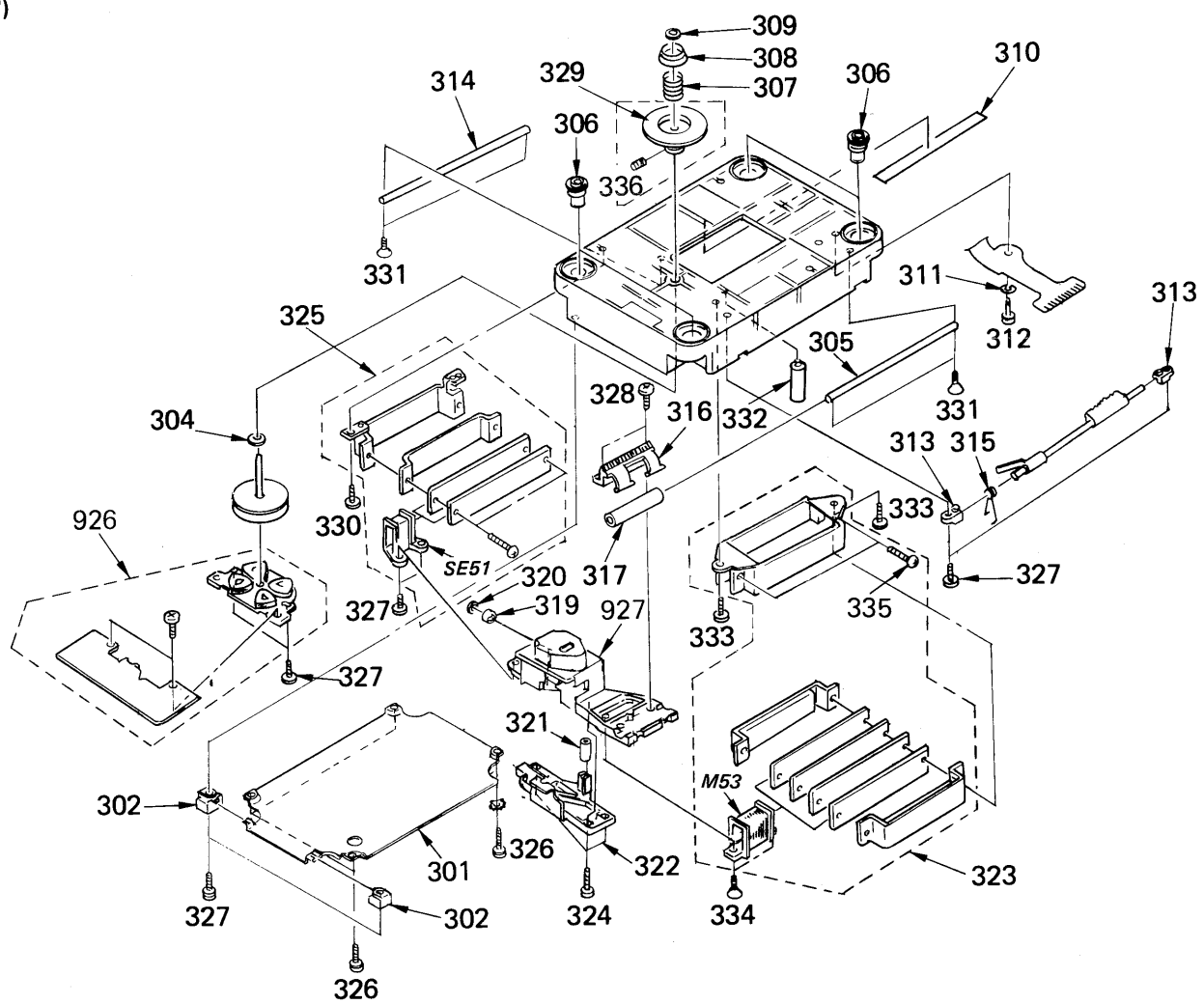
(6)



No.	Part No.	Description	Remarks
251	*4-908-523-01	BRACKET, MOTOR	
252	4-908-540-01	GUIDE, ASSIST	
253	*X-4912-508-1	BRACKET ASSY, TABLE	
254	*X-4912-516-1	CHASSIS ASSY, MECHANICAL	
255	4-887-175-00	RUBBER, STOPPER	
256	*4-912-579-01	BRACKET (LP)	
257	*4-912-544-01	PLATE, FIXED	
258	*4-912-568-01	PLATE (A), GROUND	
259	*X-4912-504-1	BRACKET (LEFT) ASSY, TABLE	
260	*4-912-529-01	GUIDE, LOADING	
261	*4-912-527-01	RETAINER, TABLE	
262	*4-912-534-01	GUIDE, SUB	
263	3-671-077-00	BELT, FF	
264	*4-912-583-01	SLIDER (CAM LEFT)	
265	3-558-708-21	WASHER, STOPPER	
266	3-701-439-11	WASHER	
267	*4-912-585-01	TABLE, DISK	
268	*4-912-532-01	REINFORCEMENT, TABLE	
269	4-908-534-01	LEVER, FUNCTION	
270	4-912-516-01	SPRING (DISK CAM), TENSION	
271	*4-912-522-01	PLATE, SW	
272	*X-4912-514-1	SLIDER (CAM RIGHT) ASSY	
273	*4-912-513-01	STOPPER, TABLE	

No.	Part No.	Description	Remarks
274	*4-912-519-01	RETAINER (RIGHT), SHAFT	
275	4-912-538-01	BEARING (RIGHT), GUIDE	
276	4-912-521-11	SHAFT (RIGHT), GUIDE	
277	*4-912-520-01	BRACKET, ROPE	
278	4-912-517-01	ROPE	
279	4-908-553-01	SPRING, COMPRESSION (ROPE)	
280	*X-4912-515-1	PLATE ASSY, DISK	
281	4-908-525-01	PULLEY (C)	
282	4-908-519-01	PULLEY (A)	
283	4-908-524-01	PULLEY (B)	
284	7-624-106-04	STOP RING 3.0, TYPE -E	
285	7-685-870-01	SCREW +BVTT 3X5 (S)	
286	7-621-759-60	+PSW, 2.6X8	
287	7-621-775-00	SCREW +B 2.6X3	
288	7-685-646-79	SCREW +BVTP 3X8 TYPE2 SLIT	
289	7-621-259-35	SCREW +BVTT 2.6X5 (S)	
290	7-682-152-01	SCREW +BVTT 3X16 (S)	
291	7-682-646-09	SCREW +PS 3X5	
292	7-685-132-19	SCREW +BTP 2.6X5 TYPE2 N-S	
293	*X-4912-505-1	BRACKET (RIGHT) ASSY, TABLE	
294	4-908-591-01	BELT, DRIVING	
295	*4-912-587-01	CUSHION	

(7)



No.	Part No.	Description	Remarks
301	*4-921-829-01	COVER, MECHANICAL BASE	
302	*4-921-823-01	HOLDER	
303	7-623-421-07	LW 2.6, TYPE B	
304	3-701-439-21	WASHER	
305	4-921-821-01	SHAFT (B), SLIDE	
306	4-921-816-01	INSULATOR	
307	4-908-213-01	SPRING, COMPRESSION	
308	4-915-217-01	CAP, CENTERING	
309	3-558-708-21	WASHER, STOPPER	
310	9-911-838-XX	CUSHION	
311	7-688-001-01	W 2, SMALL	
312	7-628-253-10	SCREW +PS 2X5	
313	4-908-220-01	HOLDER, ROD	
314	4-921-822-01	SHAFT (A), SLIDE	
315	4-921-817-01	SPRING	
316	4-921-826-01	HOLDER, BEARING	
317	4-908-221-01	BEARING	
319	4-908-208-01	BEARING (NO-FLANGE), BALL	
320	7-624-105-04	STOP RING 2.3, TYPE -E	
321	*4-921-819-01	TUBE, RUBBER	

No.	Part No.	Description	Remarks
322	4-921-827-01	COVER, SLIDE BASE	
323	A-4608-347-A	MOTOR ASSY	
324	7-621-255-10	SCREW +P 2X3	
325	A-4675-229-A	SENSOR ASSY	
326	7-621-284-20	SCREW +P 2.6X6	
327	7-621-773-95	SCREW +B 2.6X6	
328	7-621-775-10	SCREW +B 2.6X4	
329	*X-4908-219-1	PULLEY ASSY, DISK	
330	7-682-545-09	SCREW +B 3X4	
331	7-682-248-09	SCREW +K 3X8	
332	X-4908-221-1	CAM ASSY, LOCK	
333	7-682-546-09	SCREW +B 3X5	
334	7-621-559-30	SCREW +K 2.6X5	
335	7-621-259-70	SCREW +P 2.6X12	
336	7-621-734-09	SET-SCT, HEX. 2.6X3	
926	A-4675-231-A	STATOR ASSY	
927	⚠.8-848-083-01	PICKUP, OPTICAL KSS-190A	
M53	1-422-197-21	COIL (DRIVE)	
SE51	1-422-198-21	COIL (SENSOR)	

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SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

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Replace only with part number specified.

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Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
901	*1-624-562-11	PC BOARD, VOLUME
902	*1-624-548-11	PC BOARD, HEADPHONE
903	*1-624-547-11	PC BOARD, REMOCOM SENSOR (B)
904	*A-4655-059-A	MOUNTED PCB, DISPLAY
905	*1-624-564-11	PC BOARD, MOTOR
906	*A-4619-303-A	MOUNTED PCB, DIGITAL SERVO
907	*1-624-563-11	PC BOARD, TRANSLATION
908	*1-624-561-11	PC BOARD, VAR LINE OUTPUT
909	*1-624-560-11	PC BOARD, FIXED LINE OUTPUT
910	*1-566-940-11	BUS BAR 6P
911	*A-4651-178-A	MOUNTED PCB, AUDIO
912	*1-624-556-11	PC BOARD, (S) SERVO
913	*1-566-959-11	BAR, BUS
914	1-533-183-11	HOLDER, FUSE
915	*1-624-565-11	PC BOARD, HEADPHONE ANPLIFIER
916	*1-624-557-11	PC BOARD, POWER
917	⚠.1-555-795-00	(AEP).....CORD, POWER
	⚠.1-556-035-00	(UK).....CORD, POWER
	⚠.1-559-479-11	(US,Canadian)...CORD, POWER
918	*1-624-558-11	PC BOARD, COAX D/O
919	*1-624-559-11	PC BOARD, OPT D/O
920	*1-535-688-11	TERMINAL
921	*1-624-378-11	PC BOARD, OUT SW
922	*1-624-379-11	PC BOARD, C.MOTOR
923	*1-624-377-11	PC BOARD, IN SW
924	*1-624-375-11	PC BOARD, L/C SW
925	*1-624-376-11	PC BOARD, L.MOTOR
926	A-4675-231-A	STATOR ASSY
927	⚠.8-848-083-01	PICKUP, OPTICAL KSS-190A
928	1-464-878-11	TRANSMITTER UNIT, RAY

C102	1-126-101-11	ELECT	100MF	20%	10V
C106	1-123-332-00	ELECT	47MF	20%	16V
C108	1-136-159-00	FILM	0.033MF	5%	50V
C110	1-123-330-00	ELECT	22MF	20%	25V
C111	1-136-159-00	FILM	0.033MF	5%	50V
C112	1-136-153-00	FILM	0.01MF	5%	50V
C113	1-123-330-00	ELECT	22MF	20%	25V
C115	1-130-475-00	MYLAR	0.0022MF	5%	50V
C116	1-130-481-00	MYLAR	0.0068MF	5%	50V
C117	1-131-345-00	TANTALUM	0.47MF	10%	35V
C151	1-161-494-00	CERAMIC	0.022MF		25V
C152	1-161-494-00	CERAMIC	0.022MF		25V
C153	1-124-477-11	ELECT	47MF	20%	16V
C154	1-124-477-11	ELECT	47MF	20%	16V
C155	1-161-375-00	CERAMIC	0.0022MF	30%	16V

Ref.No.	Part No.	Description			
C156	1-161-375-00	CERAMIC	0.0022MF	30%	16V
C201	1-124-478-11	ELECT	100MF	20%	25V
C202	1-124-478-11	ELECT	100MF	20%	25V
C203	1-136-165-00	FILM	0.1MF	5%	50V
C204	1-136-165-00	FILM	0.1MF	5%	50V
C205	1-130-471-00	MYLAR	0.001MF	5%	50V
C206	1-130-471-00	MYLAR	0.001MF	5%	50V
C207	1-136-165-00	FILM	0.1MF	5%	50V
C208	1-130-481-00	MYLAR	0.0068MF	5%	50V
C209	1-136-168-00	FILM	0.18MF	5%	50V
C210	1-136-165-00	FILM	0.1MF	5%	50V
C211	1-136-165-00	FILM	0.1MF	5%	50V
C212	1-124-478-11	ELECT	100MF	20%	25V
C213	1-124-478-11	ELECT	100MF	20%	25V
C215	1-136-169-00	FILM	0.22MF	5%	50V
C216	1-136-159-00	FILM	0.033MF	5%	50V
C217	1-136-165-00	FILM	0.1MF	5%	50V
C218	1-123-382-00	ELECT	3.3MF	20%	50V
C219	1-136-159-00	FILM	0.033MF	5%	50V
C220	1-136-165-00	FILM	0.1MF	5%	50V
C221	1-130-479-00	MYLAR	0.0047MF	5%	50V
C222	1-123-380-00	ELECT	1MF	20%	50V
C223	1-123-369-00	ELECT	4.7MF	20%	25V
C224	1-123-332-00	ELECT	47MF	20%	16V
C225	1-130-471-00	MYLAR	0.001MF	5%	50V
C226	1-162-282-31	CERAMIC	100PF	10%	50V
C227	1-123-330-00	ELECT	22MF	20%	25V
C229	1-136-153-00	FILM	0.01MF	5%	50V
C230-1	1-123-330-00	ELECT	22MF	20%	25V
C230-2	1-124-443-00	ELECT	100MF	20%	10V
C231	1-123-330-00	ELECT	22MF	20%	25V
C303	1-136-153-00	FILM	0.01MF	5%	50V
C304	1-131-345-00	TANTALUM	0.47MF	10%	35V
C305	1-136-159-00	FILM	0.033MF	5%	50V
C306	1-123-330-00	ELECT	22MF	20%	25V
C351	1-124-479-11	ELECT	330MF	20%	25V
C352	1-130-475-00	MYLAR	0.0022MF	5%	50V
C353	1-123-330-00	ELECT	22MF	20%	25V
C354	1-136-165-00	FILM	0.1MF	5%	50V
C355	1-136-165-00	FILM	0.1MF	5%	50V
C356	1-136-165-00	FILM	0.1MF	5%	50V
C357	1-136-165-00	FILM	0.1MF	5%	50V
C360	1-136-165-00	FILM	0.1MF	5%	50V
C401	1-162-179-11	CERAMIC	0.1MF		50V
C402	1-107-206-00	MICA	15PF	5%	500V

Ref.No.	Part No.	Description			
C403	1-107-336-11	MICA	13PF	50%	500V
C405	1-124-628-11	ELECT	220MF	20%	100V
C406	1-124-628-11	ELECT	220MF	20%	100V
C407	1-126-103-11	ELECT	470MF	20%	16V
C408	1-126-103-11	ELECT	470MF	20%	16V
C409	1-162-179-11	CERAMIC	0.1MF		50V
C411	1-162-179-11	CERAMIC	0.1MF		50V
C412	1-162-179-11	CERAMIC	0.1MF		50V
C413	1-123-380-00	ELECT	1MF	20%	50V
C415	1-123-382-00	ELECT	3.3MF	20%	50V
C416	1-162-179-11	CERAMIC	0.1MF		50V
C417	1-162-179-11	CERAMIC	0.1MF		50V
C418	1-162-179-11	CERAMIC	0.1MF		50V
C419	1-162-179-11	CERAMIC	0.1MF		50V
C420	1-162-179-11	CERAMIC	0.1MF		50V
C421	1-123-382-00	ELECT	3.3MF	20%	50V
C422	1-104-317-11	POLYSTYRENE	180PF	5%	125V
C424	1-162-179-11	CERAMIC	0.1MF		50V
C425	1-162-179-11	CERAMIC	0.1MF		50V
C426	1-107-334-11	MICA	5PF	0.5PF	500V
C427	1-136-593-11	FILM	0.0033MF	1%	100V
C428	1-136-593-11	FILM	0.0033MF	1%	100V
C429	1-162-179-11	CERAMIC	0.1MF		50V
C430	1-162-179-11	CERAMIC	0.1MF		50V
C431	1-136-592-11	FILM	0.003MF	1%	100V
C432	1-107-335-11	MICA	180PF	50%	500V
C433	1-107-210-00	MICA	22PF	5%	500V
C434	1-136-590-11	FILM	10MF	10%	200V
C436	1-136-594-11	FILM	0.018MF	1%	100V
C445	1-126-048-11	ELECT	10MF	20%	50V
C446	1-126-048-11	ELECT	10MF	20%	50V
C447	1-162-191-31	CERAMIC	2.2PF	10%	50V
C448	1-162-191-31	CERAMIC	2.2PF	10%	50V
C449	1-104-300-11	POLYSTYRENE	820PF	5%	50V
C450	1-136-583-11	FILM	1MF	10%	200V
C460	1-162-179-11	CERAMIC	0.1MF		50V
C461	1-162-179-11	CERAMIC	0.1MF		50V
C462	1-102-508-00	CERAMIC	10PF	0.5PF	50V
C509	1-162-179-11	CERAMIC	0.1MF		50V
C511	1-162-179-11	CERAMIC	0.1MF		50V
C512	1-162-179-11	CERAMIC	0.1MF		50V
C513	1-123-380-00	ELECT	1MF	20%	50V
C515	1-123-382-00	ELECT	3.3MF	20%	50V
C516	1-162-179-11	CERAMIC	0.1MF		50V
C517	1-162-179-11	CERAMIC	0.1MF		50V
C518	1-162-179-11	CERAMIC	0.1MF		50V
C519	1-162-179-11	CERAMIC	0.1MF		50V
C520	1-162-179-11	CERAMIC	0.1MF		50V
C521	1-123-382-00	ELECT	3.3MF	20%	50V
C522	1-104-317-11	POLYSTYRENE	180PF	5%	125V
C524	1-162-179-11	CERAMIC	0.1MF		50V
C525	1-162-179-11	CERAMIC	0.1MF		50V
C526	1-107-334-11	MICA	5PF	0.5PF	500V
C527	1-136-593-11	FILM	0.0033MF	1%	100V
C528	1-136-593-11	FILM	0.0033MF	1%	100V
C529	1-162-179-11	CERAMIC	0.1MF		50V
C530	1-162-179-11	CERAMIC	0.1MF		50V

Ref.No.	Part No.	Description			
C531	1-136-592-11	FILM	0.003MF	1%	100V
C532	1-107-335-11	MICA	180PF	50%	500V
C533	1-107-210-00	MICA	22PF	5%	500V
C534	1-136-590-11	FILM	10MF	10%	200V
C536	1-136-594-11	FILM	0.018MF	1%	100V
C539	1-162-179-11	CERAMIC	0.1MF		50V
C540	1-162-179-11	CERAMIC	0.1MF		50V
C541	1-162-179-11	CERAMIC	0.1MF		50V
C542	1-162-179-11	CERAMIC	0.1MF		50V
C543	1-162-179-11	CERAMIC	0.1MF		50V
C544	1-162-179-11	CERAMIC	0.1MF		50V
C545	1-126-048-11	ELECT	10MF	20%	50V
C546	1-126-048-11	ELECT	10MF	20%	50V
C549	1-104-300-11	POLYSTYRENE	820PF	5%	50V
C550	1-136-583-11	FILM	1MF	10%	200V
C601	1-130-471-00	MYLAR	0.001MF	5%	50V
C602	1-130-471-00	MYLAR	0.001MF	5%	50V
C651	1-136-157-00	FILM	0.022MF	5%	50V
C652	1-136-157-00	FILM	0.022MF	5%	50V
C653	1-136-157-00	FILM	0.022MF	5%	50V
C654	1-136-157-00	FILM	0.022MF	5%	50V
C655	1-136-157-00	FILM	0.022MF	5%	50V
C701	1-126-101-11	ELECT	100MF	20%	10V
C702	1-126-101-11	ELECT	100MF	20%	10V
C703	1-124-699-31	ELECT	220MF	20%	25V
C704	1-124-699-31	ELECT	220MF	20%	25V
C705	1-124-699-31	ELECT	220MF	20%	25V
C706	1-124-699-31	ELECT	220MF	20%	25V
C707	1-162-290-31	CERAMIC	470PF	10%	50V
C708	1-162-290-31	CERAMIC	470PF	10%	50V
C709-1	1-124-721-31	ELECT	10MF	20%	50V
⚠C709-2	1-161-744-00	CERAMIC	0.01MF		400V
C710-1	1-124-721-31	ELECT	10MF	20%	50V
⚠C710-2	1-162-578-00	(AEP,UK)...CERAMIC 0.0047MF		20%	400V
⚠C710-2	1-161-744-00	(US,Canadian) ...CERAMIC 0.01MF			400V
C711	1-162-179-11	CERAMIC	0.1MF		50V
⚠C712	1-161-742-00	CERAMIC	0.0022MF	20%	400V
⚠C713	1-161-742-00	CERAMIC	0.0022MF	20%	400V
⚠C714	1-161-742-00	CERAMIC	0.0022MF	20%	400V
⚠C715	1-161-742-00	CERAMIC	0.0022MF	20%	400V
C716	1-136-177-00	FILM	1MF	5%	50V
C717	1-162-179-11	CERAMIC	0.1MF		50V
C750	1-162-179-11	CERAMIC	0.1MF		50V
C751	1-162-179-11	CERAMIC	0.1MF		50V
C801	1-124-225-00	ELECT	100MF	20%	6.3V
C802	1-162-179-11	CERAMIC	0.1MF		50V
C803	1-161-494-00	CERAMIC	0.022MF		25V
C821	1-123-335-00	ELECT	330MF	20%	25V
C822	1-123-335-00	ELECT	330MF	20%	25V
C823	1-123-335-00	ELECT	330MF	20%	25V
C824	1-124-636-00	ELECT	3300MF	20%	25V
C873	1-126-244-51	ELECT	47000MF		5.5V
C921	1-123-335-00	ELECT	330MF	20%	25V
C924	1-124-636-00	ELECT	3300MF	20%	25V
C1001	1-136-153-00	FILM	0.01MF	5%	50V
C1002	1-126-314-11	ELECT	12000MF	20%	16V

Ref.No.	Part No.	Description			
C1003	1-126-314-11	ELECT	12000MF	20%	16V
C1004	1-124-484-11	ELECT	220MF	20%	35V
C1005	1-124-484-11	ELECT	220MF	20%	35V
C1006	1-124-484-11	ELECT	220MF	20%	35V
C1007	1-124-484-11	ELECT	220MF	20%	35V
C1008	1-123-361-00	ELECT	220MF	20%	50V
C1009	1-123-361-00	ELECT	220MF	20%	50V
C1010	1-136-177-00	FILM	1MF	5%	50V
C1011	1-123-379-00	ELECT	0.47MF	20%	50V
C1012	1-126-048-11	ELECT	10MF	20%	50V
C1013	1-130-471-00	MYLAR	0.001MF	5%	50V
C1101	1-136-153-00	FILM	0.01MF	5%	50V
C1102	1-136-177-00	FILM	1MF	5%	50V
C1103	1-126-129-11	ELECT	6800MF	20%	35V
C1104	1-126-129-11	ELECT	6800MF	20%	35V
C1105	1-124-484-11	ELECT	220MF	20%	35V
C1106	1-124-484-11	ELECT	220MF	20%	35V
C1109	1-107-210-00	MICA	22PF	5%	500V
C1110	1-107-210-00	MICA	22PF	5%	500V
C1112	1-123-378-00	ELECT	1000MF	20%	63V
C1113	1-123-378-00	ELECT	1000MF	20%	63V
C1114	1-126-103-11	ELECT	470MF	20%	16V
C1115	1-126-103-11	ELECT	470MF	20%	16V
C1116	1-126-129-11	ELECT	6800MF	20%	35V
C1117	1-126-129-11	ELECT	6800MF	20%	35V
CN751	1-507-567-71	JACK, PIN 1P (DIGITAL OUT COAXIAL)			
CN752	1-506-348-XX	(AEP,UK).....3P PLUG (L)			
CN752	*1-506-371-00	(US,Canadian)...2P PLUG (L)			
CN753	1-506-348-XX	(AEP,UK).....3P PLUG (L)			
CN753	*1-506-371-00	(US,Canadian)...2P PLUG (L)			
CN1301	1-507-898-11	JACK, PIN 2P (LINE OUT VARIABLE)			
CN1302	1-507-898-11	JACK, PIN 2P (LINE OUT FKED)			
CNJ110	*1-562-883-11	SOCKET, CONNECTOR 20P			
CNJ151	*1-564-706-41	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ252	*1-564-706-41	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ255	*1-564-339-61	PIN, CONNECTOR 5P			
CNJ256	*1-564-706-41	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ401	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
CNJ402	*1-564-507-11	PLUG, CONNECTOR 4P			
CNJ403	*1-564-505-31	PLUG, CONNECTOR 2P			
CNJ404	*1-564-505-11	PLUG, CONNECTOR 2P			
CNJ503	*1-564-505-31	PLUG, CONNECTOR 2P			
CNJ504	*1-564-505-11	PLUG, CONNECTOR 2P			
CNJ701	*1-564-505-11	PLUG, CONNECTOR 2P			
CNJ702	*1-564-505-41	PLUG, CONNECTOR 2P			
CNJ703	*1-564-506-11	PLUG, CONNECTOR 3P			
CNJ704	*1-564-338-00	PIN, CONNECTOR 4P			
CNJ705	*1-564-340-00	PIN, CONNECTOR 6P			
CNJ707	*1-535-116-00	TERMINAL			
CNJ708	*1-535-116-00	TERMINAL			
CNJ709	*1-535-116-00	TERMINAL			
CNJ710	*1-564-336-00	PIN, CONNECTOR 2P			
CNJ711	*1-564-338-00	PIN, CONNECTOR 4P			
CNJ712	*1-564-338-00	PIN, CONNECTOR 4P			
CNJ713	*1-564-338-00	PIN, CONNECTOR 4P			
CNJ714	*1-564-338-71	PIN, CONNECTOR 4P			

Ref.No.	Part No.	Description
CNJ715	*1-564-338-81	PIN, CONNECTOR 4P
CNJ716	*1-564-339-61	PIN, CONNECTOR 5P
CNJ717	*1-564-340-00	PIN, CONNECTOR 6P
CNJ718	*1-564-340-00	PIN, CONNECTOR 6P
CNJ719	*1-564-340-00	PIN, CONNECTOR 6P
CNJ721	*1-564-342-11	PIN, CONNECTOR 8P
CNJ722	*1-564-337-00	PIN, CONNECTOR 3P
CNJ723	*1-564-506-11	PLUG, CONNECTOR 3P
CNJ724	*1-564-506-11	PLUG, CONNECTOR 3P
CNJ725	*1-564-706-41	PIN, CONNECTOR (SMALL TYPE) 4P
CNJ726	*1-564-988-11	PIN, CONNECTOR 14P
CNJ727	*1-564-988-11	PIN, CONNECTOR 14P
CNJ728	*1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P
CNJ731	*1-564-507-11	PLUG, CONNECTOR 4P
CNJ733	1-564-519-11	PLUG, CONNECTOR 4P
CNJ734	*1-564-506-11	PLUG, CONNECTOR 3P
CNJ735	*1-564-507-11	PLUG, CONNECTOR 4P
CNJ736	*1-564-507-41	PLUG, CONNECTOR 4P
CNJ737	*1-564-508-11	PLUG, CONNECTOR 5P
CNJ738	*1-564-496-11	PIN, CONNECTOR 3P
CNJ739	1-564-519-11	PLUG, CONNECTOR 4P
CNJ741	*1-564-338-00	PIN, CONNECTOR 4P
CNP652	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CNP653	*1-564-336-61	PIN, CONNECTOR 2P
CNP654	*1-564-336-71	PIN, CONNECTOR 2P
CNP656	*1-564-337-51	PIN, CONNECTOR 3P
CP101	1-233-132-11	COMPOSITION CIRCUIT BLOCK
CP401	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP402	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP403	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP404	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP405	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP406	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP407	1-233-115-11	COMPOSITION CIRCUIT BLOCK
CP408	1-233-114-11	COMPOSITION CIRCUIT BLOCK
CP501	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP502	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP503	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP504	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP505	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP506	1-233-113-11	COMPOSITION CIRCUIT BLOCK
CP507	1-233-115-11	COMPOSITION CIRCUIT BLOCK
CP508	1-233-114-11	COMPOSITION CIRCUIT BLOCK
CP801	1-232-976-11	COMPOSITION CIRCUIT BLOCK
D101	8-719-940-76	DIODE 1SS132
D101	8-719-940-76	DIODE 1SS132
D351	8-719-940-76	DIODE 1SS132
D401	8-719-951-13	DIODE HZ5CLL
D402	8-719-942-32	DIODE HZ3BLL
D403	8-719-942-32	DIODE HZ3BLL
D501	8-719-951-13	DIODE HZ5CLL
D651	8-719-200-02	DIODE 10E-2
D652	8-719-200-02	DIODE 10E-2
D653	8-719-200-02	DIODE 10E-2
D654	8-719-200-02	DIODE 10E-2
D701	8-719-200-23	DIODE 11E2

Ref.No.	Part No.	Description
D702	8-719-940-76	DIODE 1SS132
D801	8-719-941-69	LED PG3668S
D802	8-719-939-85	LED AY3638S
D803	8-719-939-87	LED VR3638S
D804	8-719-921-05	LED EBG5534S
D805	8-719-907-75	LED AA5534S
D872	8-719-200-23	DIODE 11E2
D1001	8-719-200-31	DIODE 21DQ05
D1002	8-719-200-31	DIODE 21DQ05
D1003	8-719-200-31	DIODE 21DQ05
D1004	8-719-200-31	DIODE 21DQ05
D1005	8-719-940-76	DIODE 1SS132
D1006	8-719-940-76	DIODE 1SS132
D1007	8-719-934-23	DIODE HZS30-3L
D1008	8-719-933-50	DIODE HZS7C2LT2
D1009	8-719-200-23	DIODE 11E2
D1010	8-719-200-23	DIODE 11E2
D1011	8-719-200-23	DIODE 11E2
D1012	8-719-200-23	DIODE 11E2
D1013	8-719-200-23	DIODE 11E2
D1014	8-719-200-23	DIODE 11E2
D1101 ⚠	8-719-200-68	DIODE C10P20FU
D1102 ⚠	8-719-200-69	DIODE C10P20FUR
D1103	8-719-200-11	DIODE 10YD2.4A
D1104	8-719-200-11	DIODE 10YD2.4A
D1106	8-719-940-76	DIODE 1SS132
D1107	8-719-940-76	DIODE 1SS132
D1108	8-719-940-76	DIODE 1SS132
D1109	8-719-902-87	DIODE EQB01-08Q
D1110	8-719-902-87	DIODE EQB01-08Q
F701 ⚠	1-532-215-00	(AEP,UK).....FUSE, TIME-LAG (T0.8A)
F701 ⚠	1-532-824-11	(US,Canadian)...FUSE, GLASS TUBE (1.6A)
FLD801	1-519-427-11	INDICATOR TUBE, FLUORESCENT
H151	8-719-800-18	DIODE THS103A-1
H152	8-719-800-18	DIODE THS103A-1
HPJ701	1-507-796-61	JACK
IC101	8-752-031-80	IC CXA1081S
IC151	8-759-202-01	IC TA7256P
IC201	8-752-202-01	IC TA7256P
IC202	8-759-805-18	IC LA6520
IC204	8-752-032-33	IC CXA1182S
IC301	8-759-971-41	IC MSM6408-27SS
IC302	8-752-322-04	IC CXD1125Q
IC303	8-752-320-44	IC CXK5816M-10L
IC304	8-759-820-04	IC LC6523H-3446
IC404	8-759-202-13	IC TC74HCU04P
IC405	8-759-000-99	IC MC74HC74N
IC406	8-759-604-29	IC M5F7805
IC407	8-759-604-29	IC M5F7805
IC408	8-759-947-50	IC CXD1305S
IC410	8-759-701-21	IC NJM5532D-D
IC411	8-759-970-28	IC PCM64P
IC412	8-759-905-42	IC NE5534P
IC413	8-759-701-21	IC NJM5532D-D
IC414	8-759-905-42	IC NE5534P
IC416	8-759-701-21	IC NJM5532D-D
IC508	8-759-947-50	IC CXD1305S

Ref.No.	Part No.	Description
IC510	8-759-701-21	IC NJM5532D-D
IC511	8-759-970-28	IC PCM64P
IC512	8-759-905-42	IC NE5534P
IC513	8-759-701-21	IC NJM5532D-D
IC514	8-759-905-42	IC NE5534P
IC516	8-759-701-21	IC NJM5532D-D
IC601	8-759-947-22	IC CXD1144P
IC603	8-759-202-14	IC TC74HC08P
IC604	8-759-013-92	IC MC74HC164F
IC605	8-759-205-05	IC TC74HC32F
IC701	8-759-600-24	IC M54543L
IC702	8-759-701-21	IC NJM5532D-D
IC703	8-759-202-13	IC TC74HCU04P
IC801	8-752-803-68	IC CXP5058H-067
IC802	8-759-630-16	IC M50740A-424SP
IC803	8-759-820-02	IC LC9600RM-145
IC821	8-759-604-29	IC M5F7805
IC822	8-759-604-29	IC M5F7805
IC823	8-759-606-02	IC M5278L56
IC851	8-741-138-70	IC BX-1387
IC921	8-759-604-47	IC M5F7905
IC1001	8-759-803-41	IC LC4969
IC1101	8-759-604-39	IC M5F78M12
IC1102	8-759-701-60	IC NJM79M12FA
IC1103	8-719-902-56	DIODE PC817
IC1104	8-719-902-56	DIODE PC817
L701 ⚠	1-421-340-00	LINE FILTER
L702	1-459-795-11	COIL (WITH CORE)
L821	1-408-080-00	INDUCTOR 100UH
M53	1-422-197-21	COIL (DRIVE)
M651	X-4902-019-1	MOTOR ASSY, CHUCKING
M652	A-4608-303-A	MOTOR ASSY, LOADING
PS205 ⚠	1-532-675-00	(AEP,UK)...LINC, IC
PS206 ⚠	1-532-675-00	(AEP,UK)...LINC, IC
⚠PS1001	1-532-675-00	(AEP,UK)...LINC, IC
Q101	8-729-103-43	TRANSISTOR 2SB734
Q205	8-729-900-89	TRANSISTOR DTC144ES
Q206	8-729-900-80	TRANSISTOR DTC114ES
Q207	8-729-900-65	TRANSISTOR DTA144ES
Q208	8-729-900-74	TRANSISTOR DTC143TS
Q351	8-729-900-80	TRANSISTOR DTC114ES
Q352	8-729-900-80	TRANSISTOR DTC114ES
Q353	8-729-900-61	TRANSISTOR DTA114ES
Q354	8-729-900-89	TRANSISTOR DTC144ES
Q403	8-729-200-55	FET 2SK241Y
Q404	8-729-200-55	FET 2SK241Y
Q405	8-729-200-55	FET 2SK241Y
Q503	8-729-200-55	FET 2SK241Y
Q504	8-729-200-55	FET 2SK241Y
Q505	8-729-200-55	FET 2SK241Y
Q651	8-729-177-43	TRANSISTOR 2SD774
Q801	8-729-902-11	TRANSISTOR 2SC2021
Q802	8-729-900-80	TRANSISTOR DTC114ES
Q803	8-729-900-80	TRANSISTOR DTC114ES
Q804	8-729-900-80	TRANSISTOR DTC114ES
Q805	8-729-900-80	TRANSISTOR DTC114ES

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Ref.No.	Part No.	Description			
Q806	8-729-900-45	TRANSISTOR DTC114EF			
Q1001	8-729-245-82	TRANSISTOR 2SC2458-Y			
Q1002	8-729-103-43	TRANSISTOR 2SB734			
Q1101	8-729-107-53	TRANSISTOR 2SC2275A			
Q1102	8-729-167-62	TRANSISTOR 2SC2676			
Q1103	8-729-113-82	TRANSISTOR 2SA1138			
Q1104	8-729-118-52	TRANSISTOR 2SA985			
Q1105	8-729-113-82	TRANSISTOR 2SA1138			
Q1106	8-729-167-62	TRANSISTOR 2SC2676			
Q1107	8-729-167-62	TRANSISTOR 2SC2676			
Q1108	8-729-113-82	TRANSISTOR 2SA1138			
Q1109	8-729-900-61	TRANSISTOR DTA114ES			
Q1110	8-729-900-80	TRANSISTOR DTC114ES			
R101	1-215-396-00	CARBON	91	5%	1/4W
R102	1-249-397-11	CARBON	22	5%	1/4W
R103	1-249-417-11	CARBON	1K	5%	1/4W
R104	1-249-433-11	CARBON	22K	5%	1/4W
R108	1-249-425-11	CARBON	4.7K	5%	1/4W
R109	1-249-425-11	CARBON	4.7K	5%	1/4W
R110	1-249-432-11	CARBON	18K	5%	1/4W
R111	1-249-432-11	CARBON	18K	5%	1/4W
R112	1-249-441-11	CARBON	100K	5%	1/4W
R151	1-249-417-11	CARBON	1K	5%	1/4W
R152	1-249-417-11	CARBON	1K	5%	1/4W
R153	1-249-417-11	CARBON	1K	5%	1/4W
R154	1-247-887-00	CARBON	220K	5%	1/4W
R155	1-249-417-11	CARBON	1K	5%	1/4W
R156	1-249-417-11	CARBON	1K	5%	1/4W
R157	1-249-417-11	CARBON	1K	5%	1/4W
R158	1-247-887-00	CARBON	220K	5%	1/4W
R159	1-247-887-00	CARBON	220K	5%	1/4W
R160	1-247-887-00	CARBON	220K	5%	1/4W
R161	1-249-405-11	CARBON	100	5%	1/4W
R162	1-249-405-11	CARBON	100	5%	1/4W
R201	1-249-393-11	CARBON	10	5%	1/4W
R203	1-249-393-11	CARBON	10	5%	1/4W
R205	1-247-885-00	CARBON	180K	5%	1/4W
R206	1-247-881-00	CARBON	120K	5%	1/4W
R208	1-247-885-00	CARBON	180K	5%	1/4W
R210	1-247-881-00	CARBON	120K	5%	1/4W
R211	1-249-437-11	CARBON	47K	5%	1/4W
R212	1-249-436-11	CARBON	39K	5%	1/4W
R214	1-215-440-00	CARBON	6.2K	5%	1/4W
R216	1-249-393-11	CARBON	10	5%	1/4W
R217	1-215-491-00	CARBON	820K	5%	1/4W
R218	1-247-881-00	CARBON	120K	5%	1/4W
R219	1-249-425-11	CARBON	4.7K	5%	1/4W
R222	1-215-472-00	CARBON	130K	5%	1/4W
R223	1-249-393-11	CARBON	10	5%	1/4W
R224	1-249-393-11	CARBON	10	5%	1/4W
R226	1-249-405-11	CARBON	100	5%	1/4W
R228	1-215-486-00	CARBON	510K	5%	1/4W
R229	1-249-431-11	CARBON	15K	5%	1/4W
R230	1-249-439-11	CARBON	68K	5%	1/4W
R231	1-249-440-11	CARBON	82K	5%	1/4W
R232	1-249-429-11	CARBON	10K	5%	1/4W
R233	1-249-414-11	CARBON	560	5%	1/4W
R235	1-215-434-00	CARBON	3.6K	5%	1/4W

Ref.No.	Part No.	Description			
R236	1-249-433-11	CARBON	22K	5%	1/4W
R237	1-249-441-11	CARBON	100K	5%	1/4W
R238	1-249-426-11	CARBON	5.6K	5%	1/4W
R239	1-249-441-11	CARBON	100K	5%	1/4W
R240	1-249-417-11	CARBON	1K	5%	1/4W
R241	1-249-429-11	CARBON	10K	5%	1/4W
R303	1-215-469-00	METAL	100K	1%	1/6W
R304	1-215-469-00	METAL	100K	1%	1/6W
R305	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-441-11	CARBON	100K	5%	1/4W
R307	1-249-429-11	CARBON	10K	5%	1/4W
R308	1-249-417-11	CARBON	1K	5%	1/4W
R309	1-249-433-11	CARBON	22K	5%	1/4W
R310	1-215-493-00	CARBON	1M	5%	1/4W
R324	1-249-441-11	CARBON	100K	5%	1/4W
R351	1-249-429-11	CARBON	10K	5%	1/4W
R352-1	1-249-429-11	CARBON	10K	5%	1/4W
R352-2	1-249-417-11	CARBON	1K	5%	1/4W
R353	1-249-397-11	CARBON	22	5%	1/4W
R354	1-249-409-11	CARBON	220	5%	1/4W
R355	1-249-425-11	CARBON	4.7K	5%	1/4W
R360	1-249-413-11	CARBON	470	5%	1/4W
R361	1-249-417-11	CARBON	1K	5%	1/4W
R362	1-249-417-11	CARBON	1K	5%	1/4W
R363	1-249-417-11	CARBON	1K	5%	1/4W
R364	1-249-417-11	CARBON	1K	5%	1/4W
R402	1-249-411-11	CARBON	330	5%	1/4W
R403	1-249-411-11	CARBON	330	5%	1/4W
R404	1-214-937-00	CARBON	1M	5%	1/2W
R407	1-249-429-11	CARBON	10K	5%	1/4W
R408	1-249-429-11	CARBON	10K	5%	1/4W
R409	1-215-445-00	METAL	10K	1%	1/6W
R410	1-215-445-00	METAL	10K	1%	1/6W
R411	1-215-480-00	METAL	300K	1%	1/6W
R412	1-215-480-00	METAL	300K	1%	1/6W
R413	1-215-480-00	METAL	300K	1%	1/6W
R414	1-215-480-00	METAL	300K	1%	1/6W
R415	1-214-883-00	CARBON	6.2K	1%	1/2W
R416	1-214-877-00	CARBON	3.6K	1%	1/2W
R417	1-259-504-91	CARBON	620	1%	1/2W
R418	1-249-928-11	CARBON	1.6K	1%	1/4W
R419	1-247-714-11	CARBON	1.2K	1%	1/4W
R420	1-247-714-11	CARBON	1.2K	1%	1/4W
R421	1-247-739-11	CARBON	100	2%	1/2W
R422	1-247-739-11	CARBON	100	2%	1/2W
R424	1-249-983-11	CARBON	330K	1%	1/4W
R426	1-249-921-11	CARBON	820	1%	1/4W
R427	1-246-545-00	CARBON	1M	5%	1/4W
R428	1-247-144-00	CARBON	3.6K	1%	1/4W
R429	1-249-425-11	CARBON	4.7K	5%	1/4W
R430	1-215-445-00	METAL	10K	1%	1/6W
R431	1-215-477-00	METAL	220K	1%	1/6W
R432	1-215-438-00	METAL	5.1K	1%	1/6W
R433	1-249-423-11	CARBON	3.3K	5%	1/4W
R434	1-215-452-00	CARBON	20K	5%	1/4W
R436	1-249-409-11	CARBON	220	5%	1/4W
R440	1-249-409-11	CARBON	220	5%	1/4W

Ref.No.	Part No.	Description				
R441	1-249-404-00	CARBON	82	5%	1/4W	
R502	1-249-411-11	CARBON	330	5%	1/4W	
R503	1-249-411-11	CARBON	330	5%	1/4W	
R511	1-215-480-00	METAL	300K	1%	1/6W	
R512	1-215-480-00	METAL	300K	1%	1/6W	
R513	1-215-480-00	METAL	300K	1%	1/6W	
R514	1-215-480-00	METAL	300K	1%	1/6W	
R515	1-214-883-00	CARBON	6.2K	1%	1/2W	
R516	1-214-877-00	CARBON	3.6K	1%	1/2W	
R517	1-259-504-91	CARBON	620	1%	1/2W	
R518	1-249-928-11	CARBON	1.6K	1%	1/4W	
R519	1-247-714-11	CARBON	1.2K	1%	1/4W	
R520	1-247-714-11	CARBON	1.2K	1%	1/4W	
R521	1-247-739-11	CARBON	100	2%	1/2W	
R522	1-247-739-11	CARBON	100	2%	1/2W	
R524	1-249-983-11	CARBON	330K	1%	1/4W	
R526	1-249-921-11	CARBON	820	1%	1/4W	
R527	1-246-545-00	CARBON	1M	5%	1/4W	
R528	1-247-144-00	CARBON	3.6K	1%	1/4W	
R529	1-249-425-11	CARBON	4.7K	5%	1/4W	
R530	1-215-445-00	METAL	10K	1%	1/6W	
R531	1-215-477-00	METAL	220K	1%	1/6W	
R532	1-215-438-00	METAL	5.1K	1%	1/6W	
R533	1-249-423-11	CARBON	3.3K	5%	1/4W	
R534	1-215-452-00	CARBON	20K	5%	1/4W	
R601	1-249-433-11	CARBON	22K	5%	1/4W	
R602	1-249-433-11	CARBON	22K	5%	1/4W	
R651	1-249-417-11	CARBON	1K	5%	1/4W	
R652	1-249-417-11	CARBON	1K	5%	1/4W	
R701	1-247-700-11	CARBON	100	5%	1/4W	
R702	1-247-700-11	CARBON	100	5%	1/4W	
R703	1-249-465-11	CARBON	47K	5%	1/4W	
R704	1-249-465-11	CARBON	47K	5%	1/4W	
R705	1-247-721-11	CARBON	4.7K	5%	1/4W	
R706	1-247-721-11	CARBON	4.7K	5%	1/4W	
R707	1-249-460-11	CARBON	15K	5%	1/4W	
R708	1-249-460-11	CARBON	15K	5%	1/4W	
R709	1-246-533-00	CARBON	330K	5%	1/4W	
R710	1-246-533-00	CARBON	330K	5%	1/4W	
R711	1-247-700-11	CARBON	100	5%	1/4W	
R712	1-247-700-11	CARBON	100	5%	1/4W	
R713	1-249-465-11	CARBON	47K	5%	1/4W	
R714	1-249-465-11	CARBON	47K	5%	1/4W	
R715 ⚠	1-212-934-00	FUSIBLE	1	5%	1/2W	F
R716	1-249-428-11	CARBON	8.2K	5%	1/4W	
R717	1-215-394-00	CARBON	75	5%	1/4W	
R801	1-249-422-11	CARBON	2.7K	5%	1/4W	
R802	1-249-424-11	CARBON	3.9K	5%	1/4W	
R803	1-249-427-11	CARBON	6.8K	5%	1/4W	
R804	1-249-432-11	CARBON	18K	5%	1/4W	
R805	1-249-422-11	CARBON	2.7K	5%	1/4W	
R806	1-249-424-11	CARBON	3.9K	5%	1/4W	
R807	1-249-427-11	CARBON	6.8K	5%	1/4W	
R808	1-249-432-11	CARBON	18K	5%	1/4W	
R809	1-249-422-11	CARBON	2.7K	5%	1/4W	
R810	1-249-424-11	CARBON	3.9K	5%	1/4W	
R811	1-249-427-11	CARBON	6.8K	5%	1/4W	

Ref.No.	Part No.	Description				
R812	1-249-432-11	CARBON	18K	5%	1/4W	
R813	1-249-422-11	CARBON	2.7K	5%	1/4W	
R814	1-249-424-11	CARBON	3.9K	5%	1/4W	
R815	1-249-427-11	CARBON	6.8K	5%	1/4W	
R816	1-249-432-11	CARBON	18K	5%	1/4W	
R817	1-249-422-11	CARBON	2.7K	5%	1/4W	
R818	1-249-424-11	CARBON	3.9K	5%	1/4W	
R819	1-249-427-11	CARBON	6.8K	5%	1/4W	
R820	1-249-422-11	CARBON	2.7K	5%	1/4W	
R821	1-249-424-11	CARBON	3.9K	5%	1/4W	
R822	1-249-427-11	CARBON	6.8K	5%	1/4W	
R823	1-249-432-11	CARBON	18K	5%	1/4W	
R824	1-249-422-11	CARBON	2.7K	5%	1/4W	
R825	1-249-424-11	CARBON	3.9K	5%	1/4W	
R826	1-249-427-11	CARBON	6.8K	5%	1/4W	
R827	1-249-432-11	CARBON	18K	5%	1/4W	
R828	1-249-422-11	CARBON	2.7K	5%	1/4W	
R829	1-249-424-11	CARBON	3.9K	5%	1/4W	
R830	1-249-427-11	CARBON	6.8K	5%	1/4W	
R831	1-249-432-11	CARBON	18K	5%	1/4W	
R841	1-215-493-00	CARBON	1M	5%	1/4W	
R851	1-249-429-11	CARBON	10K	5%	1/4W	
R852	1-249-407-11	CARBON	150	5%	1/4W	
R853	1-249-408-11	CARBON	180	5%	1/4W	
R854	1-249-412-11	CARBON	390	5%	1/4W	
R855	1-249-406-11	CARBON	120	5%	1/4W	
R856	1-249-409-11	CARBON	220	5%	1/4W	
R875	1-249-405-11	CARBON	100	5%	1/4W	
R1001 ⚠	1-212-877-11	FUSIBLE	68	5%	1/4W	F
R1002	1-249-433-11	CARBON	22K	5%	1/4W	
R1003	1-247-881-00	CARBON	120K	5%	1/4W	
R1005	1-249-437-11	CARBON	47K	5%	1/4W	
R1006	1-247-891-00	CARBON	330K	5%	1/4W	
R1007	1-249-420-11	CARBON	1.8K	5%	1/4W	
R1008	1-249-429-11	CARBON	10K	5%	1/4W	
R1009	1-249-435-11	CARBON	33K	5%	1/4W	
R1101 ⚠	1-212-877-11	FUSIBLE	68	5%	1/4W	F
R1102	1-249-539-11	CARBON	300	5%	1/4W	
R1103	1-249-539-11	CARBON	300	5%	1/4W	
R1104	1-247-710-11	CARBON	560	5%	1/4W	
R1105	1-247-710-11	CARBON	560	5%	1/4W	
R1106	1-249-466-11	CARBON	56K	5%	1/4W	
R1107	1-249-466-11	CARBON	56K	5%	1/4W	
R1108	1-247-711-11	CARBON	680	5%	1/4W	
R1109	1-247-711-11	CARBON	680	5%	1/4W	
R1110	1-247-712-11	CARBON	820	5%	1/4W	
R1111	1-247-712-11	CARBON	820	5%	1/4W	
R1112	1-247-719-11	CARBON	3.3K	5%	1/4W	
R1113	1-247-719-11	CARBON	3.3K	5%	1/4W	
R1114	1-215-406-00	CARBON	240	5%	1/4W	
R1115	1-249-411-11	CARBON	330	5%	1/4W	
R1116	1-249-429-11	CARBON	10K	5%	1/4W	
R1301	1-247-700-11	CARBON	100	5%	1/4W	
R1302	1-247-700-11	CARBON	100	5%	1/4W	
RV101	1-226-773-11	RES, ADJ, METAL GLAZE 22K				
RV102	1-226-773-11	RES, ADJ, METAL GLAZE 22K				
RV103	1-226-773-11	RES, ADJ, METAL GLAZE 22K				

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Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
RV104	1-226-772-11	RES, ADJ, METAL GLAZE 4.7K
RV201	1-226-771-11	RES, ADJ, METAL GLAZE 1K
RV401	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV402	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV403	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV404	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV501	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV502	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV503	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV504	1-228-997-00	RES, ADJ, METAL GLAZE 100K
RV701	1-230-674-11	RES, VAR, CARBON 20K/20K(LINE OUT/ PHONE LEVEL)
RY701	1-515-682-11	RELAY
RY1101	1-515-682-11	RELAY
RY1102	1-515-682-11	RELAY
RY1103	1-515-642-11	RELAY
RY1104	1-515-642-11	RELAY
S601	1-516-778-XX	SWITCH, SLIDE (OUTPUT SELECTOR)
S651	1-554-205-00	SWITCH, PUSH (LOAD IN DET)
S652	1-571-300-11	SWITCH, ROTARY (LOAD OUT DET)
S653	1-553-636-00	SWITCH, MICRO (MOTOR SELECT)
S654	1-570-447-11	SWITCH, MICRO (CHUCKING)
S701 ⚠	1-553-318-00	SWITCH, PUSH (AC POWER)(1 KEY)
S801	1-554-303-21	SWITCH, KEY BOARD (1)
S802	1-554-303-21	SWITCH, KEY BOARD (2)
S803	1-554-303-21	SWITCH, KEY BOARD (3)
S804	1-554-303-21	SWITCH, KEY BOARD (4)
S805	1-554-303-21	SWITCH, KEY BOARD (5)
S806	1-554-303-21	SWITCH, KEY BOARD (6)
S807	1-554-303-21	SWITCH, KEY BOARD (7)
S808	1-554-303-21	SWITCH, KEY BOARD (8)
S809	1-554-303-21	SWITCH, KEY BOARD (9)
S810	1-554-303-21	SWITCH, KEY BOARD (10)
S811	1-554-303-21	SWITCH, KEY BOARD (11)
S812	1-554-303-21	SWITCH, KEY BOARD (12)
S813	1-554-303-21	SWITCH, KEY BOARD (13)
S814	1-554-303-21	SWITCH, KEY BOARD (14)
S815	1-554-303-21	SWITCH, KEY BOARD (15)
S816	1-554-303-21	SWITCH, KEY BOARD (16)
S817	1-554-303-21	SWITCH, KEY BOARD (17)
S818	1-554-303-21	SWITCH, KEY BOARD (18)
S819	1-554-303-21	SWITCH, KEY BOARD (19)
S820	1-554-303-21	SWITCH, KEY BOARD (20)
S821	1-554-303-21	SWITCH, KEY BOARD (◀◀)
S822	1-554-303-21	SWITCH, KEY BOARD (>20)
S823	1-554-303-21	SWITCH, KEY BOARD (▶▶)
S824	1-554-303-21	SWITCH, KEY BOARD (ERASE)
S825	1-554-303-21	SWITCH, KEY BOARD (■)
S826	1-554-303-21	SWITCH, KEY BOARD (⏮)
S827	1-554-303-21	SWITCH, KEY BOARD (⏭)
S828	1-554-303-21	SWITCH, KEY BOARD (CLEAR)
S829	1-554-303-21	SWITCH, KEY BOARD (CHECK)
S830	1-554-303-21	SWITCH, KEY BOARD (⏏ OPEN/CLOSE)

Ref.No.	Part No.	Description
S831	1-554-303-21	SWITCH, KEY BOARD (⏸)
S832	1-554-303-21	SWITCH, KEY BOARD (→ INDEX)
S833	1-554-303-21	SWITCH, KEY BOARD (INDEX MODE)
S834	1-554-303-21	SWITCH, KEY BOARD (FILE)
S835	1-554-303-21	SWITCH, KEY BOARD (REPEAT)
S836	1-554-303-21	SWITCH, KEY BOARD (DISPLAY)
S837	1-554-303-21	SWITCH, KEY BOARD (▶)
S838	1-554-303-21	SWITCH, KEY BOARD (A.PAUSE/SPACE)
S839	1-554-303-21	SWITCH, KEY BOARD (← INDEX)
S851	1-554-303-21	SWITCH, KEY BOARD (CONTINUE/SINGLE)
S852	1-554-303-21	SWITCH, KEY BOARD (SHUFFLE)
S853	1-554-303-21	SWITCH, KEY BOARD (PROGRAM)
SE51	1-422-198-21	COIL (SENSOR)
SW851	1-552-625-00	SWITCH, SLIDE (TIMER)
T901 ⚠	1-449-078-11	(US,Canadian)...TRANSFORMER, POWER
T901 ⚠	1-449-079-11	(AEP,UK).....TRANSFORMER, POWER
T902 ⚠	1-449-081-11	(US,Canadian)...TRANSFORMER, POWER
T902 ⚠	1-449-082-11	(AEP,UK).....TRANSFORMER, POWER
⚠THP101	1-808-065-11	THERMISTOR, POSITIVE
⚠THP102	1-808-065-11	THERMISTOR, POSITIVE
⚠THP103	1-808-065-11	THERMISTOR, POSITIVE
⚠THP104	1-808-065-11	THERMISTOR, POSITIVE
X301	1-567-686-11	OSCILLATOR, CERAMIC 4MHz
X401	1-567-926-11	VIBRATOR, CRYSTAL 16.9344MHz
X801	1-567-686-11	OSCILLATOR, CERAMIC 4MHz

ACCESSORY & PACKING MATERIAL

1-463-909-11	COMMANDER, REMOTE (RM-D650)
1-558-271-11	CORD, CONNECTION
3-694-204-01	SHEET, PROTECTION
3-703-390-01	(US).....INSTRUCTION
3-769-639-11	(Canadian,AEP,UK)...MANUAL, INSTRUCTION
3-769-639-21	(US).....MANUAL, INSTRUCTION
3-769-639-41	(AEP).....MANUAL, INSTRUCTION
*4-912-947-01	KEY, LOCK
4-922-528-01	LID, BATTERY CASE, COMMANDER
4-923-546-11	(US,Canadian)...INDIVIDUAL CARTON
4-923-546-21	(AEP,UK).....INDIVIDUAL CARTON
4-923-548-01	CUSHION (UPPER)
4-923-549-01	CUSHION (LOWER)

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Troubleshooting Guide

The following checks will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, first refer back to the connections and operating procedures.

Symptom	Cause	Remedy
The disc compartment does not close when a disc is inserted and the ⏏ button is pressed.	The disc is not placed correctly.	Put the disc correctly in the disc compartment.
Play does not start.	Dirty disc	Clean the disc.
	The disc is inserted with the label surface downward.	Place the disc with the label surface up.
	The ❚❚ button is engaged.	Press the ❚❚ button again to release it.
	Moisture condensation	Wait for approx. one hour after turning on the unit then start play.
Sound is not heard.	Loose connection	Connect the cords firmly.
	The OUTPUT SELECTOR is set to the DIGITAL OUT side while using the LINE OUT jacks.	Set the OUTPUT SELECTOR to LINE OUT side.
	The LINE OUT/HEADPHONE LEVEL control is set to the minimum (0) while using the VARIABLE LINE OUT jacks.	Turn the LINE OUT/HEADPHONE LEVEL control clockwise.
Display window does not illuminate even when the power is turned on.	The AC power cord is disconnected.	Connect the AC power cord firmly.
Play begins when the POWER switch is turned on.	The TIMER switch is set to PLAY.	Set the TIMER switch to OFF.
Level of the recorded sound is different from that set on the tape recorder.	When the VARIABLE LINE OUT jacks are used, the LINE OUT/HEADPHONE LEVEL control is turned while recording.	Do not turn the LINE OUT/HEADPHONE LEVEL control while recording.

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Audio Group

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CDP-557ESD/707ESD

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SERVICE MANUAL

US Model
Canadian Model
CDP-707ESD
AEP Model
UK Model
E Model
CDP-557ESD

CORRECTION-1

Please correct your service manual.

☛ : Corrected portion

9-953-065-91

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Audio Group

English
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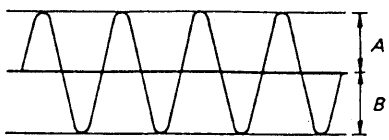
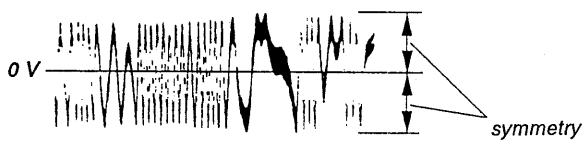
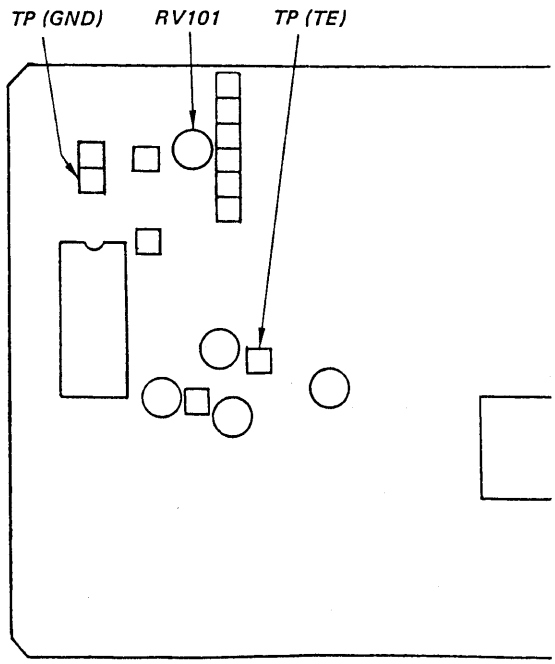
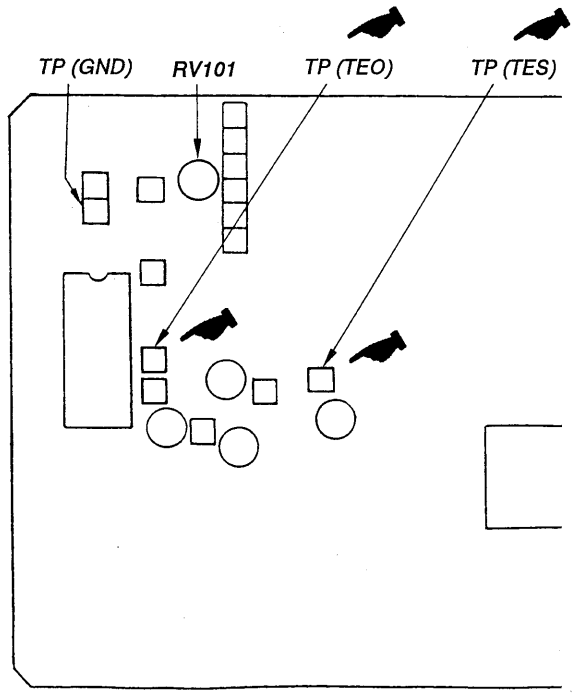
Published by Customer Relations and Service Group

Page 8

Incorrect	Correct
E-F Balance Adjustment This adjustment should be made when replacing Optical Pick-up. **Procedure:** 1. Connect oscilloscope to test points TE and GND. 2. Put set into adjustment mode. (See page 7.) 3. Turn POWER switch on. 4. Put disk (YEDS-18) in and press ▶ button. 5. Adjust RV101 so that the traverse waveform is symmetrical above and below. 6. After adjustment, cancel the adjustment mode. (See page 7.)	**E-F Balance Adjustment** This adjustment should be made when replacing Optical Pick-up. **Procedure:** 1. Connect oscilloscope to test points TEO and GND. 2. Put set into adjustment mode. (See page 7.) 3. Connect test point TES with ground. 4. Turn POWER switch on. 5. Put disk (YEDS-18) in and press ▶ button. 6. Adjust RV101 so that the traverse waveform is symmetrical above and below. 7. After adjustment, cancel the adjustment mode and the connection of test point TES. (See page 7.)
 VOLT/DIV: 1 V TIME/DIV: 1 ms	
Adjustment Location : digital board	**Adjustment Location :** digital board
	

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UK Model
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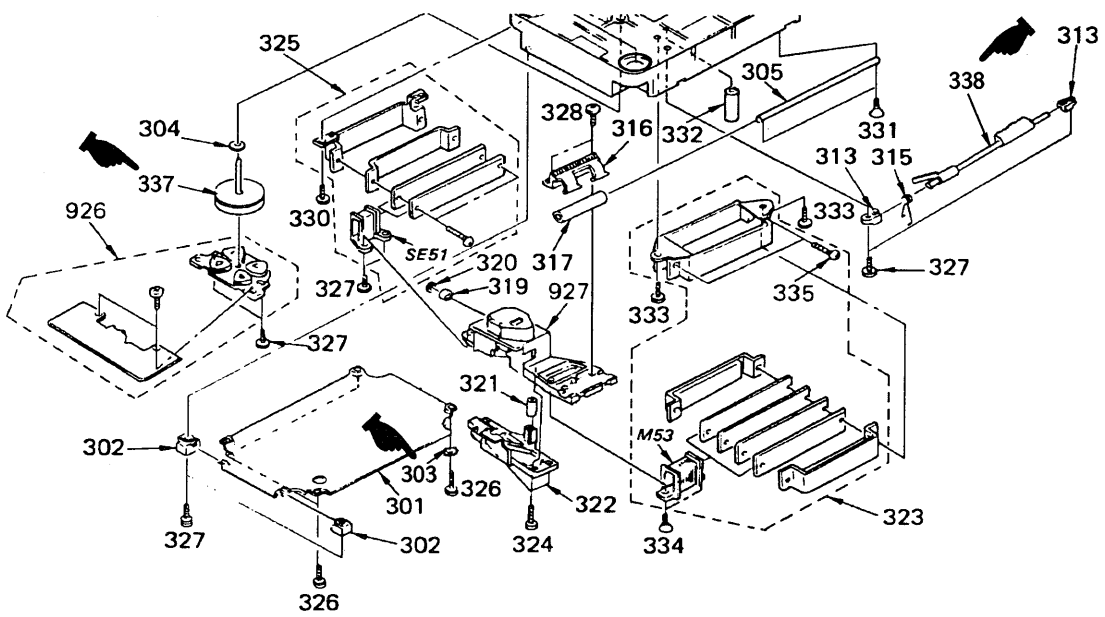
CORRECTION-2

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
39	337	———	———	A-4675-230-A	ROTOR ASSY (BU-10)
				☛ A-4675-324-A	ROTOR ASSY (BU-10A)
	338	———	———	☛ 4-921-825-01	LEVER, LOCK



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